Detailed Site Investigation Report, New High School for Schofields and Tallawong

NSW Department of Education

Report

JBS&G 67774 | 162496 (Rev 3)

21 January 2025

We acknowledge the Traditional Custodians of Country throughout Australia and their connections to land, sea and community.

We pay respect to Elders past and present and in the spirit of reconciliation, we commit to working together for our shared future.

Caring for Country The Journey of JBS&G
Artist: Patrick Caruso, Eastern Arrernte

Table of Contents

1. Introduction 1

1.1 Introduction and Background 1

1.2 Objectives 2

1.3 Scope of Work 2

2. Site Condition & Surrounding Environment 3

2.1 Site Identification 3

2.2 Site Description 3

2.2.1 Eastern Site Portion 3

2.3 Surrounding Land Uses 4

2.4 Topography 4

2.5 Geology and Soil 5

2.6 Hydrology 5

2.7 Hydrogeology 5

2.8 Acid Sulfate Soils 6

2.9 Salinity Potential 7

2.10 Meteorology 7

3. Site History 8

3.1 Aerial Photographs 8

3.2 EPA Records 9

3.3 Council Records 10

3.4 Heritage Records 11

3.5 Historical Land Title Records 11

3.6 SafeWork NSW Hazardous Goods Storage Records 12

3.7 Local History Information 12

3.8 Summary of Site History and Integrity Assessment 13

4. Conceptual Site Model 14

4.1 Potential Areas of Environmental Concern 14

4.2 Potentially Contaminated Media 14

4.3 Potential for Migration from Site 15

4.4 Human / Ecological Receptors and Exposure Pathways 15

4.5 Preferential Pathways 16

4.6 Source to Receptor Pathway Summary 16

5. Sampling, Analysis and Quality Plan 19

5.1 Data Quality Objectives 19

©JBS&G Australia Pty Ltd

5.1.1 State the Problem 19
5.1.2 Identify the Decision 19
5.1.3 Identify Inputs to the Decision 19
5.1.4 Define the Study Boundaries 20
5.1.5 Develop and Decision Rule 20
5.1.6 Specific Limits on Decision Errors 21
5.1.7 Optimise the Design for Obtaining Data 23
5.2 Soil Sampling Methodology 24
5.2.1 Test pits 24
5.2.2 Stockpiled Soil 25
5.2.3 Field PID Screening 25
5.2.4 Asbestos Quantification of Accessible Fill Based Soils 25
5.3 Surface Water Sampling Methodology 25
5.4 Groundwater Sampling Methodology 26
5.5 Decontamination 26
5.6 Duplicate Sample Preparation 27
5.7 Analytical Schedule 27
6. Assessment Criteria 29
6.1.1 Regulatory Guidelines 29
6.1.2 Soil Assessment Criteria 29
6.1.3 Surface Assessment Criteria 30
6.1.4 Groundwater Assessment Criteria 30
7. Quality Assurance / Quality Control 31
8. Investigation Results 32
8.1 Soil Observations 32
8.2 Soil Analytical Results 33
8.2.1 Metals 33
8.2.2 Polycyclic Aromatic Hydrocarbons 33
8.2.3 Total Recoverable Hydrocarbons 33
8.2.4 Volatile Organic Compounds 33
8.2.5 Organochlorine Pesticides 33
8.2.6 Organophosphorus Pesticides and Acid Herbicides 33
8.2.7 Polychlorinated Biphenyls 33
8.2.8 Asbestos 34
8.3 Groundwater Field Observations 34
8.4 Groundwater Analytical Results 34
8.4.1 Metals 34

8.4.2 Total Recoverable Hydrocarbons and BTEX Compounds 35
8.4.3 VOCs 35
8.4.4 Polycyclic Aromatic Hydrocarbons 35
8.4.5 Other 35
8.5 Surface Water Observations 35
8.6 Surface Water Analytical Results 35
8.6.1 Metals 35
8.6.2 TRH and BTEX 36
8.6.3 PAHs 36
8.6.4 Other 36
9. Site Characterisation and Discussion 37
9.1 Are there any unacceptable risks to future onsite receptors? 37
9.2 Background Soil Concentrations 37
9.3 Chemical Mixtures 37
9.4 Aesthetic Issues 38
9.5 Potential Migration of Contaminants 38
9.6 Site Management Strategy 38
9.7 Mitigation Measures 38
9.8 Evaluation of Environmental Impacts 38
10. Conclusions and Recommendations 39
11. Limitations 40

List of Tables

Table 2.1: Site Details 3
Table 2.2 Groundwater Bore Summary Details 5
Table 3.1 Summary of Aerial Photographs 8
Table 3.2 Summary of Title Searches 12
Table 4.1 Areas of Environmental Concern and Contaminants of Potential Concern 14
Table 4.2 Conceptual Site Model Source to Receptor Summary (Potential) 16
Table 5.1: Summary of Decision Rules 20
Table 5.2: Data Quality Indicators 22
Table 5.3: Data Gap Sampling and Analytical Program 24
Table 5.4 Summary of Investigation program and laboratory analysis schedule 27
Table 8.1 Fill Soil Observations 32
Table 8.2: Asbestos Quantification Results 34
Table 8.3 Groundwater Geospatial Details 34
Table 8.4 Groundwater Field Physicochemical Parameters 34
Table 9-1: Mitigation Measures 38

List of Figures

Figure 1 Site Location

Figure 2 Site Layout

Figure 3 Areas of Environmental Concern

Figure 4 Soil Sample Locations

Figure 5 Water Sample Locations

Appendices

Appendix A Summary Tables

Appendix B Photographic Log

Appendix C Groundwater Bore Records

Appendix D Historical Aerial Photographs

Appendix E EPA Searches

Appendix F Section 10.7 Planning Certificate

Appendix G Heritage Database Searches

Appendix H Historical Land Titles

Appendix I SafeWork Dangerous Goods Search

Appendix J Field Logs

Appendix K Laboratory Reports and COC Documentation

Appendix L Quality Assurance/Quality Control

Appendix M Calibration and Decontamination Records

Appendix N Groundwater and Surface Water Field Data Sheets

Appendix O Groundwater Well Survey

Appendix P Proposed Site Plan

©JBS&G Australia Pty Ltd

Abbreviations

Term	Definition
ACM	Asbestos Containing Material
AEC	Area of Environmental Concern
AHD	Australian Height Datum
ANZG	Australian and New Zealand Governments
ASRIS	Australian Soil Resource System
ASS	Acid Sulfate Soil
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
CEC	Cation Exchange Capacity
CLM Act	Contaminated Land Management Act 1997
CMA	Catchment Management Authority (Hawkesbury Nepean)
COC	Chain of Custody
COPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DGA	Data Gap Assessment
DGV	Default Guideline Value
DQI	Data Quality Indicator
DQO	Data Quality Objectives
DSI	Detailed Site Investigation
EILs	Ecological Investigation Levels
ESL	Ecological Screening Levels
EPA	Environment Protection Authority (New South Wales)
GIL	Groundwater Investigation Level
ha	Hectare
HIL	Health-based Investigation Level
HSL	Health Screening Level
JBS&G	JBS&G Australia Pty Ltd
LEP	Local Environmental Plan
LNAPL	Light Non-Aqueous Phase Liquid
LOR	Limit of Reporting
LPI	Land and Property Information (NSW)
NEPM	National Environmental Protection Measure
OCP	Organochlorine Pesticide
OPP	Organophosphorus Pesticides
OEH	NSW Office of Environment and Heritage
OW	Office of Water (NSW)
PAH	Polycyclic Aromatic Hydrocarbons
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness and sensitivity

PCBs	Polychlorinated Biphenyls
POEO Act	Protection of the Environment Operations Act 1997
PFAS	Per- and Poly- Fluoroalkyl Substances
PID	Photo-ionisation Detector
PSI	Preliminary Site Investigation
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percent Difference
SAQP	Sampling and Analysis Quality Plan
SCS NSW	Soil Conservation Service of NSW
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TRH	Total Recoverable Hydrocarbons
UCL	Upper Confidence Limit
VOC	Volatile Organic Compound

©JBS&G Australia Pty Ltd

Executive Summary

JBS&G Australia Pty Ltd (JBS&G) was engaged by NSW Department of Education (DoE the client) to prepare a Detailed Site Investigation (DSI) to support a Review of Environmental Factors (REF) for the construction and operation of the new Schofields - Tallawong High School (the activity) at 201 Guntawong Road, Tallawong, NSW (the site). The site is legally identified as part Lot 1 in Deposited Plan (DP) 1283186 with a total land area of approximately 4 hectares (ha). The site is situated within the Blacktown Local Government Area, and is located in the North West Growth Area of Sydney. The site location and layout are shown in **Figure 1** and **Figure 2**.

The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by *State Environmental Planning Policy (Transport and Infrastructure) 2021* (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37A of the T&I SEPP.

This document has been prepared in accordance with the Guidelines for Division 5.1 assessments (the Guidelines) by the Department of Planning, Housing and Infrastructure (DPHI). The purpose of this report is to identify potential contamination at the site and whether the site is suitable or can be made suitable for the proposed high school use.

The proposed activity is for the construction and operation of a new high school known as Schofields - Tallawong High School. A copy of the proposed site plan is provided in **Appendix P**. The new high school will accommodate up to 1,000 students. The school will provide 49 permanent teaching spaces (PTS), and 3 support teaching spaces (STS) across three buildings.

The buildings will be three-storey in height and will include teaching spaces, specialist learning hubs, a library, administrative areas and a staff hub. Additional core facilities are also proposed including a standalone school hall, a carpark, a pick up and drop off zone along Nirmal Street, two sports courts and a sports field.

JBS&G previously completed a preliminary site investigation (PSI) and detailed site investigation (DSI) and subsequent data gap assessment (DGA) of a larger property with the site comprising the northeast corner for the larger property. The sampling and analysis completed in the DSI and DGA for the larger property have been used to prepare this DSI report for the site to support a REF for the construction and operation of a new high school in Schofields - Tallawong (the proposed activity).

The DSI documented herein has been prepared in accordance with relevant NSW Environment Protection Authority (EPA) made and endorsed guidelines including the National Environment Protection (Assessment of Site Contamination) Measure (NEPC 2013[1]).

The objective of the DSI was to assess whether the site is suitable or can be made suitable, from a contamination perspective, for the proposed school use and where required make recommendations to enable such conclusions.

To achieve the objectives of the investigation, the following scope of works was conducted:

- Completion of an intrusive investigation program comprising:
  - Advancement of 61 (47 systematic and 14 data gap) test pits and collection of representative soil samples;
  - Collection of 18 samples from five stockpiles present on site;

[1] National Environment Protection (Assessment of Site Contamination) Measure 1999. As compiled 16 May 2013 National Environment Protection Council (NEPC 2013)

  - Installation of one groundwater monitoring well and completion of a groundwater monitoring event (GME);
  - Collection of three surface water samples from surface water features at the site including dams and surface water channels;
- Laboratory analysis of selected samples for a range of COPCs;
- Comparison of collected data against NSW EPA published and/or relevant endorsed criteria to facilitate an assessment of land use suitability; and
- Preparation of this DSI report in accordance with relevant EPA guidelines.

Based on the scope of works completed, and subject to the limitations presented in **Section 11**, the following conclusions are provided:

- The DSI investigation included soil investigation via completion of 61 test pits for characterisation of in situ soil and collection of 18 samples for characterisation of five stockpiles present on site. Representative soil samples were analysed for a broad range of COPCs identified in the CSM. With consideration to the adopted site assessment criteria, the following conditions were identified that require further consideration from a health and/or ecological risk viewpoint with regard to the suitability of the site for the proposed land use:
  - Bonded ACM impacts identified in the fill profile at TP183, TP183B, TP183C and TP183D represent a potentially unacceptable risk to human health receptors. The identified asbestos impacts require remediation/management prior to activity the site;
  - Waste materials in fill identified in TP183B will require removal and off-site disposal.
- Aesthetic impacts associated with anthropogenic material in limited in-situ fill at test pits TP183 and in stockpiles SP01-SP04 may require management during redevelopment of the site, should the fill material be exposed following completion of development works.
- Groundwater assessment has identified:
  - copper in a concentration exceeding adopted criteria protective of 95% of species in freshwater were detected in groundwater, however, the concentrations are considered to most likely reflect background conditions within the hydrogeological setting of the site and no further consideration of copper in groundwater is required;
- Comparison of surface water analytical results with the adopted health screening and recreational criteria adopted has not identified the occurrence of surface water impacts presenting a significant risk to future site users. It is considered that the heavy metal concentrations within the surface water do not pose a health risk and the water can likely be irrigated or used for dust suppression on the site.
- It is considered that the site can be made suitable for the proposed high school use subject to preparation and successful implementation of an appropriate Remedial Action Plan (RAP) to address the areas of concern outlined above.

©JBS&G Australia Pty Ltd

1. Introduction

1.1 Introduction and Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by NSW Department of Education (Doe, the client) to prepare a Detailed Site Investigation (DSI) to support a Review of Environmental Factors (REF) for the DoE for the construction and operation of the new Schofields - Tallawong High School (the activity) at 201 Guntawong Road, Tallawong, NSW (the site). The site is legally identified as part Lot 1 in Deposited Plan (DP) 1283186 with a total land area of approximately 4 hectares (ha). The site is situated within the Blacktown Local Government Area, and is located in the North West Growth Area of Sydney. The site location and layout are shown in **Figure 1** and **Figure 2**.

The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by *State Environmental Planning Policy (Transport and Infrastructure) 2021* (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37A of the T&I SEPP.

This document has been prepared in accordance with the Guidelines for Division 5.1 assessments (the Guidelines) by the Department of Planning, Housing and Infrastructure (DPHI). The purpose of this report is to identify potential contamination at the site and whether the site is suitable or can be made suitable for the proposed high school use.

The proposed activity is for the construction and operation of a new high school known as Schofields - Tallawong High School. A copy of the proposed site plan is provided in **Appendix P**. The new high school will accommodate up to 1,000 students. The school will provide 49 permanent teaching spaces (PTS), and 3 support teaching spaces (STS) across three buildings.

The buildings will be three-storey in height and will include teaching spaces, specialist learning hubs, a library, administrative areas and a staff hub. Additional core facilities are also proposed including a standalone school hall, a carpark, a pick up and drop off zone along Nirmal Street, two sports courts and a sports field.

Specifically, the proposal involves the following:

- Three learning hubs (three-storeys in height) accommodating 49 general teaching spaces and 3 support learning units (SLUs).
- Other core facilities including amenities, library, staff hub and administrative areas.
- Standalone school hall.
- Separate carpark with 72 spaces.
- Kiss and drop zone along Nirmal Street.
- Open play space including sports courts and sports field.
- Public domain works.

The proposed site access arrangements are as follows:

- Main pedestrian entrance to be located off Nirmal Street.
- Kiss and drop zone proposed along Nirmal Street.
- Onsite parking access via Nirmal Street.

©JBS&G Australia Pty Ltd

JBS&G previously completed a preliminary site investigation (PSI) and detailed site investigation (DSI) and subsequent data gap assessment (DGA) of a larger property with the site comprising the northeast corner for the larger property. The sampling and analysis completed in the DSI and DGA for the larger property have been used to prepare this DSI report for the site.

The DSI documented herein has been prepared in accordance with relevant NSW Environment Protection Authority (EPA) made and endorsed guidelines including the National Environment Protection (Assessment of Site Contamination) Measure (NEPC 2013[2]).

1.2 Objectives

The objective of the DSI was to assess whether the site is suitable or can be made suitable, from a contamination perspective, for the proposed school use and where required make recommendations to enable such conclusions.

1.3 Scope of Work

To achieve the objectives of the investigation, the following scope of works was conducted:

- Completion of an intrusive investigation program comprising:
  - Advancement of 56 test pits and collection of representative soil samples;
  - Collection of 18 samples from five stockpiles present on site;
  - Installation of one groundwater monitoring well and completion of groundwater monitoring event (GME);
  - Collection of three surface water samples from surface water features at the site including dams and surface water channels;
- Laboratory analysis of selected samples for a range of COPCs;
- Comparison of collected data against NSW EPA published and/or relevant endorsed criteria to facilitate an assessment of land use suitability; and
- Preparation of this DSI report in accordance with relevant EPA guidelines.

[2] National Environment Protection (Assessment of Site Contamination) Measure 1999. As compiled 16 May 2013 National Environment Protection Council (NEPC 2013)

2. Site Condition & Surrounding Environment

2.1 Site Identification

The site location is shown on **Figure 1** and the current layout is shown on **Figure 2**. The site details are summarised in **Table 2.1** and described in detail in the following sections.

Table 2.1: Site Details

Lot / DP Number	Part Lot 1 in DP 1283186
Street Address	201 Guntawong Road, Tallawong NSW 2762
Local Government Authority	Blacktown City Council
Site Zoning	R2 (Low Density Residential) and R3 (Medium Density Residential) for the relevant portion of Lot 1
Previous Use	Rural residential and agriculture
Current Use	Vacant
Proposed Use	Secondary school
Site Area	Approximately 4 ha

2.2 Site Description

Site inspections were carried out by Milad Noujaim, a JBS&G trained and experienced environmental consultant, on 26 August 2022 and 19 September 2024. Photographs taken during the site inspection are provided in **Appendix B**. Pertinent features of the general site layout are provided in **Figure 2**.

The site was accessed via a secured gate off Guntawong Road, however, there was limited sections of fencing adjacent the eastern side gate allowing access to site on foot. The eastern boundary of the site was not fenced with vehicle access possible from Nirmal Street. Five stockpiles of what appeared to be fly tipped materials were observed in the eastern portion of the site during the inspection on 19 September 2024. Fly tipped stockpiles included discarded asbestos containing asbestos containing material (ACM) sheeting and fragments of ACM sheeting (**Photograph 25**), discarded tyres, a stockpile of silty topsoil (~5 m^3) (**Photograph 28**), a stockpile of gravel/pebbles (~2 m^3) (**Photograph 27**) and a stockpile of soil with building and demolition waste inclusions (~5 m^3) (**Photograph 28**). The sheeting/fragments of ACM sheeting had been delineated with asbestos hazard warning tape. Stockpile locations are shown on **Figure 2**.

First Ponds Creek is located to the west. Tributaries/ephemeral drainage lines discharging to First Ponds Creek were located in the southern and northwestern portions of the site. Two surface water dams were present along the drainage line in the southern portion of the site (**Photographs 23** and **24**).

Local alterations to the ground surfaces were observed in the alignment of former structures. Evidence of cutting and filling comprised observation of anthropogenic building materials within surficial soils at numerous locations (**Figure 3** and **Photographs 8**, **10**, **15**). Several stockpiles (**Photographs 4** to **7**, **19**) were observed at the site, south of the former structures. Asbestos containing material (ACM) was not observed within the stockpiles, although a detailed inspection of their contents was not undertaken as part of this inspection.

The site was well vegetated and there were few areas of bare soil observed.

2.2.1 Eastern Site Portion

The eastern portion of the site comprised most of the area for which operative use had historically occurred. This included a former residence, site dams and areas of former market garden usage.

Former Residence Area and Market Garden

A former residence existed within the northeastern portion of the site (former Lot F) (**Figure 2**). During the inspection the former building footprints, comprising concrete slabs, were observed to remain *in-situ*. The area was occupied by a shed and paddock, which did not contain any liquid chemicals, hazardous building materials or otherwise environmentally hazardous contents.

Surrounding the former building footprint and paddock, a significant amount of building and demolition wastes (plywood, corrugated metal sheeting and timber) were observed, in addition to tyres and corroded drums which were scattered on the surface (**Photographs 8**, **9**, **10**, **13**, **14**, **15**). A single vegetated soil stockpile (**Photograph 7**) and debris were observed within the area, with no bulk liquids, and no hazardous building materials or other environmentally hazardous materials observed within the scattered debris.

The area adjacent to the former residence area comprised vacant vegetated land, which was a former market garden (**Photograph 12**).

Equine Livestock Storage Area

The majority of the northeastern portion (former Lot D) was utilised as horse paddocks. Fill soils had been placed in the central portion of the area, and spread over an area of approximately 200 m^2. Three stockpiles were noted in the area (**Photographs 4** to **6**).

What appeared to be a microbiological sheen was observed in runoff surface water (**Photograph 3**) north of the former building footprint in the northeastern portion of the site.

2.3 Surrounding Land Uses

A summary of surrounding land uses at the time of the site inspection is provided below:

- North – the northern site boundary is formed by Guntawong Road. Further north, the land was primarily used for rural residential and agricultural purposes with low density residential land use also evident;
- East – Portions of the eastern boundary of the site adjoins Nirmal Street, with parts of Nirmal Street yet to be constructed. Land to the east of Nirmal Street has recently been developed or is currently being developed for residential use;
- South – the site was bounded to the south by vacant land formerly used for agricultural purposes, with land further to the south undergoing redevelopment for low-density residential housing.; and
- West – the site is bound to the west by vacant land formerly used for agricultural purposes. First Ponds Creek and land developed for residential use located further west.

In close vicinity to the site, no significant chemical storage or potential for migration of gross contamination was observed. The potential for previous major earthworks was observed to the east associated with the suburban low-density residential redevelopment.

2.4 Topography

Review of topographic information obtained from the Spatial Information Exchange Viewer, LPI (2022[3]) regional topographic map and the Photomaps tool, Nearmap (2022[4]), indicated that the site generally sloped downward to the west-southwest.

The highest point of the site was the northeast corner (47 m AHD). A drainage line that discharged to First Ponds Creek to the west, passes from east to west in the southern end of the site.

---

[3] Spatial Information Exchange Viewer', NSW Land and Property Information, Accessed 23 August 2022, https://maps.six.nsw.gov.au/;

[4] 'Photomaps', Nearmap, Accessed 23 August 2022, Nearmap https://www.nearmap.com.au/

2.5 Geology and Soil

Review of the 1:100,000 Geological Series Penrith Geological Survey of NSW Sheet 9030 (DMR 1991[5]), indicates that majority of the site is underlain by Bringelly Shale of the Wianamatta Group originating from the Middle Triassic epoch. This unit comprises shale, carbonaceous claystone, claystone, laminite, fine to medium-grained lithic sandstone, rare coal and tuff. Bringelly Shale is underlain by Ashfield Shale and, at depth, Hawkesbury Sandstone.

Reference to the online ESPADE 2.2 tool hosted by the NSW Department of Planning, Industry and Environment (DPIE 2024[6]) indicates that the site is underlain by residual Blacktown soils.

Blacktown soils are found on gently undulating rises atop Wianamatta Group shales. Local relief generally to 30 m, slopes usually greater than 5 %. The landscape is characterised by broad, rounded crests and ridges with gently inclined slopes amongst cleared Eucalypt woodland and tall open-forests. The soils profile comprises shallow to moderately deep hard-setting mottled texture contrast soils, red and brown podzolic soils on crests grading to yellow podzolic soils on lower slopes and within drainage lines. Localised seasonal waterlogging, water erosion hazard, moderately reactive and highly plastic subsoil as well as localised surface movement potential are associated limitations of the landscape.

2.6 Hydrology

As noted in **Section 2.4**, the site slopes downwards to west-southwest, with an ephemeral drainage line located in the southern end of the site that discharges, during periods of flow, into First Ponds Creek. Two surface water dams were located in the drainage line. The drainage line and dams are shown in **Figure 2**.

First Ponds Creek joins with Killarney Chain of Ponds approximately 3.3 km northwest of the site, which eventually joins South Creek and subsequently the Hawkesbury River. First Ponds Creek, Killarney Chain of Ponds and the Hawkesbury River are all freshwater environments at the relevant locations.

The site's ground surfaces are primarily unsealed. Upon hillsides and rises, given the expected soil characteristics, infiltration into the local, shallow groundwater table is expected to be limited. It is considered likely that onsite vegetation would contain rainfall and retard its overland flow. During periods of heavy rainfall, excess surface waters are expected to flow overland into the onsite surface water bodies and towards First Ponds Creek.

2.7 Hydrogeology

A search of the WaterNSW groundwater mapping tool, WaterNSW (2022[7]), indicated nine licensed groundwater bores within a 2 km radius of the site, and are summarised in **Table 2.2** below. Summary details of groundwater bore information provided by WaterNSW is presented in **Appendix C**.

Table 2.2 Groundwater Bore Summary Details

Bore ID	Bore Use	Distance from Site	Well Depth (m)	Standing Water Level (m)	Encountered Geology Comments
GW054878	Stock	1.7 km / NE	7.00	-	'soil' overlying clay overlying shale, no depths provided
GW100443	Monitoring	1.5 km / S	17.40	4.50	Silty clay to 4 m overlying siltstone/shale to 17.4 m

5 *Penrith Geological Series Sheet 9030 (1st Edition),* Departments of Minerals and Energy, 1991 (DME 1991)

6 *ESPADE 2.2,* NSW Department of Planning, Industry and Environment (DPIE), accessed 16 September 2024 (DPIE 2024)

7 All Groundwater Map. WaterNSW, https://realtimedata.waternsw.com.au/, accessed 23 August 2022.

Bore ID	Bore Use	Distance from Site	Well Depth (m)	Standing Water Level (m)	Encountered Geology Comments
GW107600	Monitoring	1.6 km / E	29.40	-	Clayey silt to 3 m overlying shale to 10.5 m overlying sandstone to 29.4 m
GW107940	Test Bore	1.7 km/ NE	240.00	- (72-78, 108-109, 204-205 and 216-217)1	Fill to 2 m overlying shale to 39 m overlying layered shale and sandstone (primarily sandstone) to 240 m
GW108452	Stock / Domestic	1.3 km / NE	60.00	12.00 (46.0-46.5, 52.1-52.2 and 56.0-56.3)1	Clay to 2 m overlying shale to 34 m overlying deep sandstone to 60 m
GW112593	Monitoring	1.9 km / N	4.00	2.91	Fill to 2.4 m overlying clay to 4 m
GW112594	Monitoring	1.9 km / N	4.00	2.78	Clay to 4 m
GW112595	Monitoring	1.8 km / N	4.00	2.35	Fill to 1.3 m overlying clay to 4 m
GW112596	Monitoring	1.8 km / N	4.00	2.32	Fill to 0.2 m overlying clay to 2.1 m overlying shale to 4 m

[1] Water bearing zones as provided by registered groundwater bore logs.

Review of the available groundwater borehole logs has indicated that multiple water bearing zones are present within the region.

Groundwater bores GW054878, GW100443, GW107600 and GW112593-GW112596 are located considerable distances from the site. Review of their local environmental setting indicates that they are positioned close to local tributaries, dams and downstream locations of First Ponds Creek.

Given the general similarity of environmental settings, groundwater conditions nearby to these hydrological features offsite are considered likely to be representative of groundwater conditions close to onsite hydrological features.

The reported depths to groundwater indicate that, close to hydrological features, there is an unconfined shallow groundwater table. As distance from the surface water bodies increases, the depth to the groundwater table is expected to increase. The shallow groundwater table is expected to be confined by underlying impermeable shale layers, although some infiltration into fractures, joints, shear lines, etc. may occur.

Review of groundwater information for bores GW107940 and GW108452 indicated that multiple water bearing zones existed within the deeper geological units in the region (Bringelly Shale/Ashfield Shale and Hawkesbury Sandstone). Given the significant depths to the water bearing zones (>46 m bgl), and the reported depth to standing groundwater level (12 m), these water bearing zones are considered confined.

2.8 Acid Sulfate Soils

Review of the Guidelines for the Use of Acid Sulfate Soil Risk Maps, Department of Land and Water Conservation (DLWC) (1998[8]), has indicated that acid sulfate soils (ASS) are likely to be located in coastal lowlands up to about 10 m AHD. No risk map for the area encompassing the site was provided as part of the acid sulfate soil risk map series, DLWC (1998).

[8] *Guidelines for the use of Acid Sulfate Soil Risk Maps, Edition 2'*, 1998, Ref: ISBN 0 7347 5134 6, NSW Department of Land and Water Conservation (1998)

Review of the geographical and topographical location of the site has indicated that it is a significant distance away from tidal creeks or estuaries, and it is considered unlikely that ASS would exist at the site.

A Section 10.7 (2&5) planning certificate was obtained for the site, provided in **Appendix F**, as discussed in **Section 3.3**. The land was not identified to have been affected by a policy adopted by Council or adopted by any other public authority, notified to Council, that restricts the development of the land because of the likelihood of ASS.

2.9 Salinity Potential

The Salinity Potential in Western Sydney Map (DIPNR 2003[9]) indicates that the site exists within an area of 'moderate salinity potential'. Areas with this classification exhibit scattered scalding and indicator vegetation, but soil concentrations have not been mapped. Saline areas are identified as potentially existing within these areas.

2.10 Meteorology

A review of average climatic data for the nearest Bureau of Meteorology (BOM) monitoring location at Seven Hills, BOM (2022 [10]) indicates the Site is located within the following meteorological setting:

- Average minimum temperatures vary from 4.5 ^{o}C in July to 17.0 ^{o}C in February;
- Average maximum temperatures vary from 17.4 ^{o}C in July to 28.4 ^{o}C in December;
- The average annual rainfall is approximately 913.1 mm with rainfall greater than 1 mm occurring on an average of 84.2 days per year; and
- Monthly rainfall varies from 43.2 mm in July to 117.9 mm in February with the wettest periods occurring on average in January to June.

9 Salinity Potential in Western Sydney. Department of Infrastructure, Planning and Natural Resources, March 2003, DIPNR (2003)

10 *'Climate Statistics for Australian Locations – Seven Hills, Collins Street'*, Commonwealth of Australia, Bureau of Meteorology 2013,Prepared on 11 August 2022, Accessed 15 August 2022, http://www.bom.gov.au/climate/averages/tables/cw_067026.shtml

3. Site History

3.1 Aerial Photographs

Copies of aerial photographs obtained from the Department of Land and Property Information are included in **Appendix D**. Relevant information from the aerial photograph review is summarised below in **Table 3.1**.

Table 3.1 Summary of Aerial Photographs

Year	Site & Surrounding Area Description
1947	The site appeared to be an undeveloped bushland. The surrounding site area was predominantly undeveloped rural land. The outline of First Ponds Creek was visible to the west. The preliminary alignment of several roads was observed: Clarke Street, Cranbourne Street, Boundary Road, Kensington Park Road and Westminster Road. Developed areas to the north and northwest of the site appeared to be used for agricultural purposes.
1956	The southern half of the site had been cleared. What appeared to be faint tracks were visible in the southern portion of the site. A small surface water dam was also visible within the southern site boundary, in the alignment of the eastern tributary. Surrounding land had either been partially or completed cleared of trees. The land to the northwest, west and southwest of the site appeared to be used for agricultural purposes, as evidenced by paddocks, market gardens and a trotting track.
1961	The aerial photograph for this year is comprised of two aerial photographs (1961 and 1975), although the whole site is visible in the 1961 photograph, as such, commentary on surrounding land is provided only on the portion the surrounding area covered by the 1961 photograph. The area of cleared land in the 1956 aerial photograph appears to have been developed for market gardening. A residential dwelling or large shed is visible in the central portion of the site adjacent the area used for market gardening, with two other smaller buildings/sheds visible nearby. A vehicular track is visible down the inside of most of the eastern boundary. Land clearance had continued since the 1956 aerial photograph, primarily in the south-eastern site portion. A small shed-like structure appeared to be located on, or just within the northwest boundary of the site and appeared to be associated with a residential dwelling adjoining the site boundary. Adjoining land to the west and some land to the southwest also appeared to have been developed for market gardening. A residential dwelling or similar and structure adjoined the northwest portion of the site.
1975	The site appeared to be no longer used for market gardening. A track is visible leading from the residential dwelling to the southern boundary of the site. A surface water dam is clearly visible in the southern extent of the site. A row of eight structures had been constructed immediately south of the site in the centre of the larger property. Cleared land and what appeared to be three animal shelters, each adjoining 2 grazing paddocks, were visible on adjoining land to the south and southeast. Significant land clearing had occurred on land surrounding the site. Cleared land appeared to be used for agricultural land uses, as indicated by the presence of numerous dams, paddocks, market gardens and residential/farmhouse type structures.

Year	Site & Surrounding Area Description
1986	A track is visible that leads west from the residential dwelling, through the western boundary of the site and then to the northwest towards Guntawong Road. The track leading south from the residential dwelling appears to lead to the eight structures immediately south of the site. The residential dwelling that formerly adjoined the northwest portion of the site had been demolished. Some additional residential structures were visible in land to the north and northeast.
2002	What appear to be areas of disturbed bare ground, comprising either stockpiled soils, or potentially fenced animal runs were visible on the western side of the residential dwelling in the central eastern portion of the site. Land to the south and east of the residential dwelling and in the northwest portion of the site appeared to have been cleared and comprised bare ground. The eight structures to the south were no longer present, with cleared bare ground visible in the former locations and south of these structures.
2010	The shed in the northwest of the site appeared to have been demolished. Former bare patches of ground on the site and land to the south appeared to be grass covered. The surrounding areas continued to be utilised for agricultural land uses.
2017	There appeared to be bare patches of ground to the south and southeast of the residential dwelling. Land to the west of First Ponds Creek appeared to be in the process of being subdivided for potential residential development.
2020	The residential dwelling appears to have been demolished with potentially only a smaller building/shed remaining in this area. Land to the west has been developed for residential use, with land to the east and southeast being developed for residential use.
2022	The site appeared unchanged from the 2020 aerial photograph. Land immediately to the east and land to the south appears to be in the process of being developed for residential use.
2022	The site appeared unchanged from the 2022 aerial photograph. Further residential development has occurred on land to the east, south and west.

3.2 EPA Records

Search of the NSW EPA database was undertaken on 10 August 2022 (**Appendix E**) for the site and immediate surroundings. The search consisted of the:

- NSW EPA Protection of the Environment Act public register of licence, applications and notices (maintained under Section 308 of the Protection of the Environment Operations Act 1997 (POEO Act));
- NSW EPA contaminated land public register of record of notices (under Section 58 of the Contaminated Land Management Act 1997 (CLM Act));
- NSW contaminated sites notified to the EPA (under Section 60 of the CLM Act); and

- NSW EPA Per/poly- fluoroalkyl substances (PFAS) investigation program.

No prevention, clean-up or prohibition notices and no transfer, variation, suspension, surrender or revocation of an environment protection licence records were identified to have been issued under the POEO Act for the site. Variations and a surrender of environment protection licence was identified to have been issued for the North West Rail Link- Operations Trains and Stations Project Premises, located approximately 600 m south of the site. No other prevention, clean-up or prohibition notices and no transfer, variation, suspension, surrender or revocation of an environment protection licence records were identified for the remaining immediate surroundings.

No notices have been issued under the CLM Act for the site and immediate surroundings.

The site and immediate surroundings are not on the list of NSW contaminated sites notified to the EPA.

The site is not identified on the list of sites, or within the vicinity of any sites, currently being investigated for historical PFAS usage.

3.3 Council Records

A copy of the Section 10.7 (2 and 5) Planning Certificates for the site were obtained from Blacktown City Council on 25 September 2024. Relevant details are summarised below and a copy of the s.10.7 Planning Certificates are included in **Appendix F.**

- Under the meaning of the CLM Act:
  - the site has not been identified as significantly contaminated land;
  - no management order has been issued for the site;
  - the site is not the subject of an approved voluntary management proposal;
  - the site is not subject to an ongoing maintenance order;
  - the site is not the subject of a site audit statement;
- Council has identified some residential homes within Blacktown City Council to have been impacted by loose fill asbestos insulation (LFAI) and as such there is the potential for LFAI to be found on properties not currently listed on this register. As at the date of this Planning Certificate, the land to which this certificate relates has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation;

Relevant Planning Instruments and Development Control Plans

- The site is not affected by the Blacktown Local Environmental Plan, Blacktown (2015 [11]);
- The site is subject to the *State Environmental Planning Policy (Precincts - Central River City) 2021*; and
- The site is affected by the NSW Government's Blacktown City Council Growth Centre Precincts Development Control Plan;
- *Blacktown Development Control Plan 2015* generally does not apply to land that a Precinct Plan applies to, except where specifically referred to in the *SEPP (Precincts - Central River City) 2021* or the *Blacktown City Council Growth Centre Precincts Development Control Plan 2010*;
- *Blacktown City Council Growth Centre Precincts DCP – Schedule 8 – Riverstone East* applies to the site;

11 *'Blacktown Local Environmental Plant (2015)'*, Blacktown City Council, Blacktown (2015);

Zoning of Land Under Relevant LEPs

Under the *SEPP (Precincts - Central River City) 2021*, the following land zoning applies to the subject site:

- R2 (Low Density Residential), R3 (Medium Density Residential), RE1 (Public Recreation) and SP2 (Infrastructure);

Other

- All or part of Lot 1 is within the flood planning area and subject to flood related development controls;
- Part or all of Lot is biodiversity certified land as defined by Part 8 of the *Biodiversity Conservation Act 2016*;
- The site is not affected by the Coastal Protection code under *the Coastal Protection Act 197*9;
- The site, or part thereof, is not affected or identified as being land affected by any road widening or road alignment under an environmental planning instrument;
- The site, or part thereof, is not proclaimed to be mine subsidence district within the meaning of Section 15 of the *Mine Subsidence Compensation Act 1961*;
- Council has not adopted any other policies to restrict the development of the subject land by reason of the likelihood of landslip, bushfire, tidal inundation, subsidence or the occurrence of acid sulfate soils.
- The site is identified as "Clear of any bush fire prone land" under the *Rural Fires and Environmental Assessment Legislation Amendment Act 2002; and*
- There are no items of environmental heritage situated on the land.

3.4 Heritage Records

A search of the Australian Heritage Trust database, which contains both Aboriginal as well as European Heritage, identified two items of national heritage significance which may apply to the site:

- Indigenous Place – Colebee, NSW (ID18986); and
- Indigenous Place – Kellyville, NSW (ID16089).

No details pertaining to the significance, description, history, condition or location were provided with the records for either item. Heritage information covers Aboriginal as well as European heritage.

A search of the NSW Heritage Inventory did not reveal any heritage listed items at the site or immediate surrounds. Both Australian Heritage Trust and NSW Heritage information are included in **Appendix G**.

3.5 Historical Land Title Records

Historical land title records for the site area have been summarised in **Table 3.2.** The larger property is noted to have previously comprised one legal property (Vol 1381 Fol 132, then Vol 6736 Fol 171) which was subdivided into the numerous properties including the current Lots in the 1950s. Detailed title search information, as well as a graphical representation of the former lot areas investigated is provided in **Appendix H**. It is noted that the historical land title information provided in **Appendix H** was for a larger parcel of land that included the site and title information for a Lot X, which does not relate to the site. The various lots were consolidated as Lot 1 in DP 1283186 17 November 2022 and is currently owned by Minister Administering the Environmental Planning and Assessment Act 1979.

Historical title records indicate that the site was owned by private citizens between 1901 and 1963. In 1963, Hoffmann Bros. Pty. Limited acquired both Lots (then Vol 8114 Fol 47 and Vol 7652 Fol 117). Hoffmann Bros.

owned the site until 1984, transferring ownership to the Minister Administering the Environmental Planning and Assessment Act 1979.

Table 3.2 Summary of Title Searches

Date of Acquisition and Term Held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and Sale
Pertaining to all Lots (1901 to 1951)		
19.11.1901 (1901 to 1948)	Edwin Stephen Rouse (Esquire)	Vol 1381 Fol 132
14.10.1948 (1948 to 1951)	Nina Beatrice Terry (Married Woman) (Application by Transmission not investigated)	Vol 1381 Fol 132 Now Vol 6736 Fol 171
Pertaining to D DP 407863 (1951 to 1963)		
17.04.1951 (1951 to 1953)	Albert Stevenson Ible (Farmer)	Vol 6736 Fol 171
29.10.1953 (1953 to 1960)	John Harold Ferguson (Motor Garage Proprietor)	Vol 6736 Fol 171 Now Vol 8114 Fol 50
13.10.1960 (1960 to 1963)	George Stanley Marshall (Farmer) Helen Margaret Marshall (Married Woman)	Vol 7652 Fol 50 Now Vol 8114 Fol 47
Pertaining to Lot F DP 407863 (1951 to 1963)		
17.04.1951 (1951 to 1957)	Albert Stevenson Ible (Farmer)	Vol 6736 Fol 171
07.03.1957 (1957 to 1963)	George Stanley Marshall (Farmer) Helen Margaret Marshall (Married Woman)	Vol 7652 Fol 50 Now Vol 8114 Fol 47
Pertaining to all Lots		
13.09.1963 (1963 to 1984)	Hoffmann Bros. Pty. Limited	Vol 8114 Fol 47
12.01.1984 (1984 to Date)	# Minister Administering the Environmental Planning and Assessment Act 1979	Vol 8114 Fol 47 Now X/416187

3.6 SafeWork NSW Hazardous Goods Storage Records

An application was sent to SafeWork NSW to conduct a search for the storage of hazardous goods for part of the larger property. SafeWork NSW submitted a response on 1 November 2017 indicating that a search was conducted on three properties that contained the site, and no records pertaining to the storage of hazardous chemicals were identified. The response received from SafeWork NSW is provided in **Appendix I.**

3.7 Local History Information

A search of local history information, including records held by Council, did not result in the identification of records relevant to the site.

3.8 Summary of Site History and Integrity Assessment

The site has previously been used primarily as a rural residence until from sometime after 1956, with minor agricultural operations utilising market gardens and a dam visible from 1961. In 1963, ownership of the site was transferred to a private company, Hoffmann Bros. Pty Limited. Market gardening appeared to have ceased in the southern half of the site before 1975, however the shed may have been associated with other agricultural activities on a larger parcel of land owned by Hoffman Bros. Hoffmann Bros. owned the site until 1984 when its ownership was transferred to the Minister Administering the Environmental Planning and Assessment Act 1979. Between transfer of ownership to the Minister and the current investigation, the site appeared to have been leased, however no records of this were reported in the historical land title records.

Based on the range of sources and the general consistency of the historical information, it is considered that the historical assessment has an acceptable level of accuracy with respect to the potentially contaminating activities historically occurring at the site.

4. Conceptual Site Model

4.1 Potential Areas of Environmental Concern

Based on the Site history review and observations of site conditions during the site inspection, Areas of Environmental Concern (AECs) and associated Contaminants of Potential Concern (COPCs) have been identified and are presented in **Table 4.1**. AECs are graphically represented alongside site features on **Figure 3.**

Table 4.1 Areas of Environmental Concern and Contaminants of Potential Concern

Area of Environmental Concern (AEC) / Media	Contaminants of Potential Concern (COPC)
Former Site Structures / Soils and Building Material • Hazardous Building Materials Associated with the demolition of former site structures. • Fuel and oil spills associated with onsite vehicle storage/maintenance activities. • Above ground storage of bulk fuels, pesticides and herbicides; • Fill materials of unknown origin used to generate current site levels. Particularly associated with areas where fill materials were utilised to create dam embankments and level surfaces	Heavy metals; Total Recoverable Hydrocarbons (TRHs) / Benzene, Toluene, Ethylbenzene and Xylene (BTEX Compounds); Polycyclic Aromatic Hydrocarbons (PAHs); pesticides including organochlorine pesticides (OCPs); organophosphorus pesticides (OPPs); acid herbicides; cyanide; phenols; and asbestos
Former Market Garden Agricultural Areas / Soils Application of fertilizers and pesticides	Priority metals, pesticides including OCPs, OPPs, and acid herbicides
Hydrological Features / Sediments, Soils and Surface Waters Onsite migration of potentially contaminated agricultural surface runoff water and accumulation of COPCs in associated sediments	Heavy metals; TRHs / BTEX; PAHs; OPPs; polychlorinated biphenyls (PCBs) and OCPs;
Stockpiles / Soils Fill materials of unknown origin imported to the site to generate material stockpiles. Potential burial of animal carcasses	Heavy metals; PAHs; TRHs / BTEX; OCPs; PCBs; and asbestos.
Whole of Site / All Media General use	Heavy metals, OCPs, PCBs, TRH, BTEX, PAHs and asbestos.
Boundary areas / Soils Fly tipping from extensive development activities in surrounding areas.	Asbestos, heavy metals, TRH, BTEX.

4.2 Potentially Contaminated Media

Each of the AECs and corresponding COPCs identified in **Table 4.1** have the potential to impact soil, surface water, groundwater and/or soil gas (where volatile constituents are identified) at the site.

Where fill materials are present, natural soils have been disturbed, (including for the burial of waste, construction of dams and other infrastructure), there is a potential that environmental impact may be present at depth, consistent with the depth of the disturbance. Anthropogenic materials are commonly present in impacted fill materials and can be used as an indication of the depth of disturbance. Where fill material impacted with chemical-based contaminants is identified, there is the potential for impact to have migrated laterally and vertically below the fill material.

With the exception of asbestos, COPCs identified in **Table 4.1** for the site have the potential to migrate from shallow soils into groundwater. In addition, given the occurrence of the natural drainage alignment present on the site, and the potential for fill materials and natural soils to be impacted associated with historical site land uses, surface water has been identified to be a potentially contaminated media.

Contaminants including TRH and BTEX, as associated with site fill materials also have the potential to result in soil vapour impacts. However, given the absence of significant indicators, the potential for risk from soil vapour is considered to be low. In the event that soil impacts from volatile organic compounds are identified, further consideration of the potential for soil vapour impacts may be necessary.

4.3 Potential for Migration from Site

Contaminants generally migrate from site via a combination of windblown dusts, rainwater infiltration, groundwater migration and surface water runoff. The potential for contaminants to migrate is a combination of:

- The nature of the contaminants (solid/liquid and mobility characteristics);
- The extent of the contaminants (isolated or widespread);
- The location of the contaminants (surface soils or at depth); and
- Topography, geology, hydrology and hydrogeology.

The COPCs identified as part of the Site history review and site inspection are generally in solid (e.g. asbestos, PAHs and metals), liquid (e.g. TRH, BTEX, OCPs and PCBs) or gaseous (e.g. BTEX, volatile TRH, semi-volatile PAHs) form.

The ground surfaces overlying AECs are primarily covered by grass and vegetation. Excess rainfall is considered likely to migrate from the site via overland flow into onsite hydrological features, as described in **Section 2.6.** Soil may also migrate via overland water flow and accumulate in sediment in on-site dams. The potential for migration of *in-situ* impacted soil via windblown dust is considered to be low provided the vegetative cover is maintained across the site surfaces.

Upon hillsides and rises, given the expected soil characteristics, infiltration into the local, shallow groundwater table is expected to be limited. It is considered likely that onsite vegetation would contain rainfall and retard its overland flow. During periods of heavy rainfall, excess surface waters are expected to flow overland into the onsite surface water bodies.

The potential solubility of chemical contaminants in soil, in addition to rate of surface water intrusion, perched water seepage and groundwater movement across the site will influence the potential for migration of soil and groundwater-based contamination within and from the site. Notwithstanding, if impacted groundwaters and/or surface waters are migrating to the site via the surface water drainage line that leads to First Ponds Creek, then potential for offsite contamination migrating onto site may require consideration.

4.4 Human / Ecological Receptors and Exposure Pathways

Potential human receptors of environmental impact include future site users, visitors and construction/maintenance contractors engaged to work at the site who may potentially be exposed to COPCs through inhalation or direct contact with impacted soils or groundwater present within the Site. Additionally, migration of contaminants via overland flow into surface water bodies, infiltration into groundwater, windblown dusts and vapour also pose a potential risk to sensitive human receptors.

During redevelopment of the site, potential source receptor pathways may include:

- Potential dermal contact with and ingestion of impacted soils, surface water and groundwater as present at shallow depths and/or accessible by future excavations by site workers, visitor and/or occupants; and/or
- Potential inhalation of vapours migrating upwards and laterally from fill and/or natural soil; and
- Potential inhalation of asbestos fibres, if present, within fill materials and/or surface impacts.

Several of the identified AECs have the potential to impact onsite ecological receptors. Given the significant vegetative coverage across the site, and the nature of the COPCs, biological uptake via adsorption of contaminant particles from excess rainfall runoff may occur.

Possible off-site ecological receptors are limited to potential impacts associated with groundwater and surface runoff water migrating from the site to First Ponds Creek.

4.5 Preferential Pathways

For the purpose of this assessment, preferential pathways have been identified as natural and/or man-made pathways that result in the preferential migration of COPC as either liquids or gasses.

Man-made preferential pathways are likely present throughout the site, generally associated with areas of previously disturbed fill material and service easements.

Natural preferential pathways are likely limited to onsite hydrological features and natural lithological borders, such as between porous soils and bedrock, where infiltrating groundwater is vertically confined and begins migrating laterally downgradient.

4.6 Source to Receptor Pathway Summary

Table 4.2 below presents a summary of potential source to receptor pathways identified in **Section 4.1** to **4.5**.

Table 4.2 Conceptual Site Model Source to Receptor Summary (Potential)

Area of Environmental Concern	Contaminant of Potential Concern / Media	Pathway -> Uptake	Receptor
Surrounding Former Site Structures Within Stockpiled Material	Heavy Metals / Material and Soils	Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction and maintenance workers and/or occupants and sensitive ecological receptors)
		Infiltration into the Groundwater -> Biological uptake into the ecosystem	Downstream ecological receptors (First Ponds Creek)
		Off-site migration via windblown dust -> Inhalation	Offsite sensitive receptors associated with surrounding residences
	Asbestos / Material and Soils	Disturbance resulting in airborne fibres -> Inhalation	Current/future site users (construction and maintenance workers and/or occupants)
		Off-site migration via windblown dust -> Inhalation	Offsite sensitive receptors associated with surrounding residences
	TRHs, BTEX, PAHs, OCPs, OPPs / Soils	Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction and maintenance workers and/or occupants and sensitive ecological receptors)
		Infiltration into the Groundwater -> Biological	Downstream ecological receptors (First Ponds Creek)

Area of Environmental Concern	Contaminant of Potential Concern / Media	Pathway -> Uptake	Receptor
		uptake into the ecosystem	
		Physical Contact -> Biological uptake into root systems	Current and future onsite sensitive ecological receptors (flora)
Former Intensive Agricultural Areas	OCPs / Soil	Infiltration into the Groundwater -> Biological uptake into the ecosystem	Onsite and offsite downstream ecological receptors (Onsite flora and First Ponds Creek)
		Physical contact -> Oral ingestion or dermal contact	Current and future construction/maintenance workers and/or occupants of the Site
		Physical Contact -> Biological uptake into root systems	Current and future onsite sensitive ecological receptors (flora)
Hydrological Features	Heavy metals, PAHs, TRHs, PAHs, BTEX, OCPs, PCBs / Soils and Sediments	Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction and maintenance workers and/or occupants)
		Infiltration into the Groundwater -> Biological uptake into the ecosystem	Onsite and offsite downstream ecological receptors (Onsite flora and First Ponds Creek)
Hydrological Features	TRHs, PAHs, BTEX, OCPs and PCBs / Surface Water	Infiltration into the Groundwater -> Biological uptake into the ecosystem	Onsite and offsite downstream ecological receptors (Onsite flora and First Ponds Creek)
		Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction and maintenance workers and/or occupants)
		Physical Contact -> Biological uptake into root systems	Current and future onsite sensitive ecological receptors (flora)
Whole of site	Heavy metals, PAHs / Soils, Surface Water and Groundwater	Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction and maintenance workers and/or occupants)
		Infiltration into the Groundwater -> Biological uptake into the ecosystem	Onsite and offsite downstream ecological receptors (Onsite flora and First Ponds Creek)
	Asbestos / Material and Soils	Disturbance resulting in airborne fibres -> Inhalation	Current/future site users (construction and maintenance workers and/or occupants)

Area of Environmental Concern	Contaminant of Potential Concern / Media	Pathway -> Uptake	Receptor
		Off-site migration via windblown dust -> Inhalation	Off-site sensitive human receptors
	TRHs, PAHs, BTEX, OCPs and PCBs / Soils, Surface Water and Groundwater	Infiltration into the Groundwater -> Biological uptake into the ecosystem	Onsite and offsite downstream ecological receptors (Onsite flora and First Ponds Creek)
		Physical contact -> Oral ingestion or dermal contact	Current/future site users (construction/maintenance workers and/or occupants)
		Physical Contact -> Biological uptake into root systems	Current and future onsite sensitive ecological receptors (flora)

5. Sampling, Analysis and Quality Plan

5.1 Data Quality Objectives

Data quality objectives (DQOs) were developed for the investigation, as discussed in the following sections.

5.1.1 State the Problem

It is understood that the site is proposed for construction and operation of the new Schofields - Tallawong High School . The desktop review and site inspection identified a range of potential AECs. As such, a DSI was required to characterise potential contamination at the site and to draw conclusions regarding the suitability of the site for the proposed land use.

5.1.2 Identify the Decision

Based on the decision-making process for assessing urban redevelopment sites detailed in EPA (2017[12]), the following decisions must be made:

- Are there any unacceptable risks to likely future on-site receptors?
- Are there any issues relating to background soil concentrations that exceed appropriate site soil criteria?
- Are there any impacts of chemical mixtures?
- Are there any aesthetic issues at the site?
- Is there any evidence of, or potential for, migration of contaminants from the site?
- Is a site management strategy required?

5.1.3 Identify Inputs to the Decision

Inputs identified to provide sufficient data to make the decisions nominated above include:

- Review of historical site information including previous reports prepared with regard to site conditions;
- Observations of the current site conditions made during the current investigation;
- Physical observations and interpretation of potentially contaminated media through the collection of soil, surface water and groundwater samples;
- Development of appropriate assessment criteria for evaluation of soil, surface water and groundwater impacts based on the proposed use of the site;
- Field parameters as measured utilising calibrated equipment during the investigation, including assessment of soil sample headspace and physicochemical parameters of groundwater;
- Laboratory analysis of soil, surface water and groundwater samples of potentially contaminated media for COPC; and
- Confirmation that data generated by sample analysis are of an acceptable quality to allow reliable comparison to assessment criteria by assessment of quality assurance / quality control as per the data quality indicators established in **Section 5.1.6**.

12 Contaminated Sites: Guidelines for the NSW Site Auditor Scheme, 3rd Edition, NSW EPA, 2017 (EPA 2017)

5.1.4 Define the Study Boundaries

The lateral study boundaries are limited to the site boundary shown on **Figure 2**.

The vertical extent of the soil investigation was to a maximum depth of 3 m or at least 0.3 m into natural materials (or prior refusal), whichever was shallower. The groundwater well was installed to a depth of 7.6 m below ground surface (bgs).

Due to the project objectives, seasonality was not assessed as part of this investigation. Data is therefore representative of the timing and duration of the investigation.

5.1.5 Develop and Decision Rule

Soil analytical data was assessed against EPA endorsed criteria including the National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1), National Environment Protection Council (NEPC 2013). The decision rules adopted to answer the decisions identified in **Section 5.1.2** are summarised in **Table 5.1**.

Table 5.1: Summary of Decision Rules

Decisions Required to be Made	Decision Rule
1. Are there any unacceptable risks to on-site future receptors?	A) The nature and extent of soil impacts was assessed, and soil analytical data was compared against current EPA endorsed criteria for residential with minimal soil access. Statistical analyses of the data in accordance with relevant guidance documents was undertaken, where necessary, to facilitate the decisions. The following statistical criteria was adopted with respect to soils: Either: the reported concentrations were all below the site criteria; Or: the average site concentration for each analyte was below the adopted site criterion; no single analyte concentration exceeded 250 % of the adopted site criterion; and the standard deviation of the results was less than 50 % of the site criteria. And: the 95 % upper confidence limit (UCL) of the average concentration for each analyte was below the adopted site criterion. If the statistical criteria stated above were satisfied, and an assessment of risk indicates no unacceptable risks, the decision was No. Otherwise, the answer to the decision was Yes.
	B) Groundwater analytical data was compared against EPA endorsed criteria. If the reported concentrations were all below the site criteria, the answer to the decision was No; If analytical concentrations were in excess of the site criteria, further consideration of potential risks would be required to establish whether the results are indicative of background conditions. If this is not the case, then the answer to the decision is Yes.
2. Are there any issues relating to the local area background soil concentrations that exceed appropriate soil criteria?	If COPC concentrations in soils exceeded published background concentrations (NEPC 2013), the answer to the decision was Yes. Otherwise the answer to the decision was No.

Decisions Required to be Made	Decision Rule
3. Are there any chemical mixtures?	Were there more than one group of contaminants present which increase the risk of harm? If there is, the answer to the decision was Yes. Otherwise, the answer to the decision was No.
4. Are there any aesthetic issues?	If there were any asbestos containing material (ACM) fragments on the ground surface, any unacceptable odours or soil discolouration, or excessive extraneous/foreign/waste materials, the answer to the decision was Yes. Otherwise, the answer to the decision was No.
5. Is there any evidence of, or potential for, migration of contaminants from the site?	Based on assessment results, is there any evidence of, or the potential for, migration of unacceptable contaminant concentrations to migrate from the site? If yes, the answer to the decisions was **Yes**. Otherwise, the answer to the decision was **No**.
6. Is a site management strategy required?	Is the answer to any of the above decisions Yes? If yes, a site management strategy is required. If no, a site management strategy is not required.

5.1.6 Specific Limits on Decision Errors

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

Specific limits for this project have been adopted in accordance with the appropriate guidance from the NSW EPA, National Environmental Protection Measure (NEPM) (NEPC 2013[13]), appropriate Data Quality Indicators (DQIs, used to assess quality assurance / quality control (QA/QC)) and standard JBS&G procedures for field sampling and handling. It is noted that site assessment was undertaken as part of investigation of a larger parcel of land that included the site. QA/QC assessments of data was undertaken for the DSI and DGA completed on the larger property and are provided in **Appendix L**. QA/QC measures applied on the larger parcel of land, including soil, groundwater and surface water duplicate samples are described in the following sections and have been used to assess the data quality for the site, where site-specific duplicate and triplicate samples may not have been collected for analysis.

To assess the usability of the data prior to making decisions, the data was assessed against pre-determined DQIs for to precision, accuracy, representativeness, comparability, completeness and sensitivity (PARCCS parameters). The acceptable limit on decision error is 95% compliance with DQIs.

The pre-determined DQIs established for the project are discussed below in relation to the PARCCS parameters and are shown in **Table 5.2**.

- **Precision** – measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples.
- **Accuracy** – measures the bias in a measurement system. The accuracy of the laboratory data that are generated during this study is a measure of the closeness of the analytical results obtained by a

[13] National Environmental Protection (Assessment of Site Contamination) Measure 1999. As compiled 16 May 2013 National Environmental Council (NEPC 2013)

method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.

- **Representativeness** – expresses the degree which sample data accurately and precisely represent a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.
- **Comparability** – expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in techniques used to collect samples; and ensuring analysing laboratories use consistent analysis techniques; and reporting methods.
- **Completeness** – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- **Sensitivity** – expresses the appropriateness of the chosen field and laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted site assessment criteria.

Table 5.2: Data Quality Indicators

Data Quality Indicators	Frequency	Data Quality Criteria
Precision		
Blind duplicates (intra laboratory)	1 / 20 samples/media	<50% RPD[1]
Split Duplicated (Inter laboratory)	1 / 20 samples/media	<50% RPD[1]
Laboratory Duplicates	1 / 20 samples/media	<50% RPD[1]
Accuracy		
Surrogate spikes	All organic samples	70-130% recovery
Laboratory control samples	1 per lab batch	70-130% recovery
Matrix spikes	1 per lab batch	70-130% recovery
Representativeness		
Sampling appropriate for media and analytes	All samples	-[2]
Samples extracted and analysed within holding times.	-	Soil: organics (14 days), inorganics (6 months) Water: organics (7-14 days), inorganics (6 months)
Laboratory blanks	1 per lab batch	<LOR
Trip spike	1 per lab batch (soil only)	70-130% recovery
Storage blank	1 per lab batch (soil only)	<LOR
Equipment/rinsate blank	1 per sampling event/media	<LOR
Comparability		
Standard operating procedures for sample collection & handling	All Samples	All Samples
Standard analytical methods used for all analyses	All Samples	NATA accreditation
Consistent field conditions, sampling staff and laboratory analysis	All Samples	All samples[2]

Data Quality Indicators	Frequency	Data Quality Criteria
Limits of reporting appropriate and consistent	All Samples	All samples[2]
Completeness		
Sample description and COCs completed and appropriate	All Samples	All samples[2]
Appropriate documentation	All Samples	All samples[2]
Satisfactory frequency and result for QC samples		95% compliance
Data from critical samples is considered valid	-	Critical samples valid
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria	All samples	LOR ≤ site assessment criteria

[1] If the RPD between duplicates is greater than the pre-determined data quality indicator, a judgment was made as to whether the excess is critical in relation to the validation of the data set or unacceptable sampling error is occurring in the field.

[2] A qualitative assessment of compliance with standard procedures and appropriate sample collection methods was completed during the DQI compliance assessment.

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

5.1.7 Optimise the Design for Obtaining Data

Intrusive site works were completed in two stages at the site, with the first stage comprising a DSI followed by the second stage comprising a data gap assessment (DGA) to address data gaps identified in the DSI.

For sites that are approximately 4 ha, *Sampling design part 1 – application* (EPA 2022[14]) recommends a minimum sampling density of 50 locations for a site covering approximately 4 ha. Sampling was undertaken from 47 locations on a systematic grid, which is marginally less than the minimum number of sampling points identified in EPA (2022). Data gap sampling, described below, included soil sampling from an additional 14 sampling locations, which exceeded the minimum number of sampling points for the site.

In addition to the systematic investigation locations, judgemental sampling of stockpiles was undertaken in accordance with minimum number of sampling locations as recommended in EPA (2022) to characterise material currently placed with material as identified at the site.

The completed soil sampling locations are shown on **Figure 4**.

Following completion of the DSI, data gaps were identified on the site within three areas of environmental concern (AECs) including:

[14] *Environment Protection Authority, Sampling design part 1 – application, Contaminated Land Guidelines*. NSW Protection Authority August 2022 (EPA 2022)

- **Lead Impacted Fill** – Lead impacted in-situ fill material was identified in two areas of the site, which appeared to be associated with former structures. Further assessment was required in these areas to determine the extent of impacted fill to identify any remediation or management requirements:
    - Lead impacted fill in the vicinity of TP178;
    - Lead impacted fill in the vicinity of TP183;
- **AEC 9: Power Poles** - Several power poles have been identified to be present at the site. There is potential for localised soil contamination associated with historical pole treatment applications and further assessment was required to investigation the potential for localised soil contamination.

Data gap sampling undertaken for the identified AECs is summarised in **Table 5.3**.

Table 5.3: Data Gap Sampling and Analytical Program

AEC	Contaminants of Concern	Sampling Rationale
Impacted fill in the vicinity of TP178	lead	Advancement of 4 delineation test pits (TP178A to TP178D) on 10 m spacing around TP178 to sample/analyse soil from the same profile(s) and delineate the lateral extent of the impact and associated soil sampling.
Impacted fill in the vicinity of TP183	Lead and asbestos	Advancement of 4 delineation test pits (TP183A to TP183D) on 10 m spacing around TP183 to sample/analyse soil from the same profile(s) and delineate the lateral extent of the impact and associated soil sampling.
Power poles	Heavy metals, TRH, PAH, OCP	Targeted sampling of soil in the vicinity of 3 power poles (PP01, PP02, PP03) identified on site. Test pits were advanced immediately adjacent to (PPXXA) and at a 0.5 m (PPXXB) distance from each power pole.

5.2 Soil Sampling Methodology

5.2.1 Test pits

All test pits were advanced via an excavator. At each test pit sampling location representative samples were collected at surface (0-0.15 m), 0.3 m, 0.5 m and then at 0.5 m intervals to a maximum depth of 3 m or 0.3 m into natural materials (or prior refusal), whichever was the shallower.

Soil sampling locations are shown on **Figure 3**.

Visual inspection of excavated material was undertaken at each location for the presence of discolouration, ACM or other indications of potentially contaminated materials. Where identified, the observations were recorded on field logs, which are presented in **Appendix J**.

Disturbance of the soil sample was minimised where possible during sample collection and placement with laboratory supplied sample containers to reduce the potential for release of volatile organic contaminants. A calibrated Photo Ionisation Detector (PID) was utilised to screen for volatile organic compounds (VOCs) within the sampled material.

Soil samples destined for laboratory analysis were immediately transferred to laboratory supplied sample jars and sealed with a Teflon-lined screw closure or placed into asbestos sample bags. The sample containers were then placed in a pre-cooled insulated box for sample preservation prior to and during shipment to the testing laboratory. Preservation of the primary soil and QA/QC samples obtained during this investigation was completed in accordance with recognised protocols (NEPC 2013).

The samples were transported under standard JBS&G chain-of-custody protocols to the National Association of Testing Authority (NATA) registered laboratories, Eurofins Environment Testing Australia Pty Ltd (Eurofins) and Envirolab Services Pty Ltd (Envirolab).

Not all samples collected were analysed. Selected samples were analysed in accordance with the analytical schedule (**Table 5.4**).

5.2.2 Stockpiled Soil

For stockpile sampling, samples were collected via excavator, with material obtained from a minimum depth of 0.3 m below the surface of the stockpile at the time of sampling.

During the collection of soil samples, features such as seepage, discolouration, staining, odours and other indications of contamination were noted on the field documentation.

5.2.3 Field PID Screening

Soil samples were screened onsite during the works using a photo-ionisation detector (PID) to assess the potential presence of volatile organic compounds (VOCs). Samples obtained for PID screening were placed in a sealed plastic bag for a period of approximately 5 minutes to equilibrate, prior to a PID being attached to the bag. Readings were then monitored for a period of approximately 1 minute or until values stabilise and the stabilised/highest reading is recorded on the borehole logs.

5.2.4 Asbestos Quantification of Accessible Fill Based Soils

Asbestos quantification sampling was conducted via backhoe/excavator where visible ACM was identified at the relevant test pit location. Asbestos in soil was quantified by the methods advised in WA DoH (2009[15]) and NEPC (2013) guidelines by an appropriately trained JBS&G scientist experienced in the identification of asbestos. The following method was adopted during excavation works:

- A 10 L sample was collected of the representative materials observed at the location of ACM identification;
- Where more than one distinct fill material was observed, separate asbestos calculation was completed for each material type;
- The 10 L sample was sieved using a 7 mm sieve and any ACM fragments retained in the sieve were collected, photographed, double bagged and then weighed using calibrated scales.

Asbestos percentages in soil is calculated as per the formula below:

$$\%w/w\ asbestos\ in\ soil = \%\ asbestos\ content\ x \frac{(bonded\ ACM\ or\ FA)(kg)}{soil\ volume\ (L)\ x\ soil\ density\ (kg/L)}$$

For bonded ACM, an asbestos content of 15% was used in accordance with enHealth (2013[16]).

For FA, a conservative asbestos content of 100% was used.

5.3 Surface Water Sampling Methodology

Surface water grab samples were collected at three locations (SW03, SW04, SW05) from the surface water features at the site, including three 1 dam and two surface water channels, where safe to do so. Surface water sample locations are identified in **Figure 4**. Samples were obtained as grab samples from each identified location and placed in appropriate sampling containers following preservation requirements. Collected water samples were immediately filtered (as necessary) and transferred to laboratory supplied sample bottles. The sample containers were transferred to a chilled iced box for sample preservation prior to and during shipment to the testing laboratory. A chain of custody form was completed and forwarded with the samples. Samples were analysed in accordance with the laboratory schedule (**Table 5.4**).

---

[15] *Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia*, 2009. Western Australia Department of Health (WA DoH), (WA DoH 2009)

[16] *Asbestos, A guide for householders and the general public, enHealth, February 2013 (enHealth 2013).*

5.4 Groundwater Sampling Methodology

One groundwater monitoring well (GW02) was installed within the site as shown in **Figure 4**.

A borehole was extended to the target depth using a tracked Geoprobe drill rig using 150 mm diameter solid flight auger drilling rods with the boreholes converted into a groundwater monitoring well. The monitoring well was constructed as follows:

- The monitoring well was constructed using 50 mm Class 18 uPVC screen and casing (pressure rated to conform to AS1477).
- A graded gravel pack was installed from the bottom of the drilled borehole to approximately 0.5 m above the screened interval. A bentonite seal of approximately 0.5 m was then installed above the gravel layer. The well was then completed with a standpipe stick-up above the ground surface and fitted with an airtight cap, and the annulus backfilled flush to ground surface.
- The well was developed with high density polyethylene (LDPE) developing tubing fitted with a foot valve. Development was undertaken until dry or field measured parameters stabilised.

On completion of well installation, the monitoring well location and top of casing elevation were surveyed by a registered surveyor.

A bore log including well construction details is provided in **Appendix J**.

Low Flow Groundwater Sampling

Groundwater was sampled using a peristaltic pump, via low flow methodology to allow collection of a representative sample. Groundwater was purged at the highest possible flow rate while ensuring minimal drawdown of the water column. Where possible, field parameters of pH, conductivity, redox and temperature were measured with field electrodes in a flow cell and a samples obtained once the parameters stabilised such that:

- Consecutive EC readings within 3%;
- Consecutive Eh readings within 10mV;
- Consecutive DO readings within 10%; and
- Consecutive pH readings within 0.5.

Collected water samples were immediately filtered (as necessary) and transferred to laboratory supplied sample bottles. Sample bottles were clearly marked with sample identification details and transferred to an esky chilled with loose ice. Chain of custody documentation accompanied the samples to the receiving laboratory.

Groundwater was analysed in accordance with the laboratory schedule provided in **Table 5.4** below.

5.5 Decontamination

Prior to the commencement of soil, surface water and groundwater sampling activities, non-disposable sampling equipment, were cleaned with deionized water/detergent spray and rinsed with potable water. The equipment was then inspected to ensure that no soil, oil, debris or other contaminants were apparent prior to the commencement of works and between sampling locations.

A rinsate sample was obtained from non-disposable sampling equipment following completion of each day of field sampling activities to determine the effectiveness of the decontamination procedures implemented on re-usable sampling equipment on the larger parcel of land. No rinsate samples were required for soil sampling at the site noting that soil sampling was undertaken using a backhoe/excavator, with care taken to ensure samples collected did not come into contact with the backhoe/excavator bucket.

5.6 Duplicate Sample Preparation

At selected sample locations for the larger parcel of land, sufficient soil, surface water and groundwater was collected to provide a primary, blind (intra-lab) duplicate and split (inter-lab) duplicate samples. The collected samples were divided laterally into three samples with minimal disturbance to reduce the potential for loss of volatiles and placed in three clean glass jars, sample bags and sampling bottles as appropriate. Soil samples were not homogenised in order to minimise the loss of volatiles. Each sample was labelled with primary, duplicate or triplicate sample identification before being placed in the same chilled esky for transport to the laboratory.

5.7 Analytical Schedule

JBS&G subcontracted Eurofins Environment Testing (Eurofins) as the primary laboratory, with Envirolab Services (Envirolab) as the secondary laboratory. Both laboratories are National Association of Testing Authorities (NATA) registered for the required analyses.

Table 5.4 Summary of Investigation program and laboratory analysis schedule

AEC	Site Areas	Number of Investigation Locations & Method	Rationale	Laboratory Analyses (excludes QA/QC)
Former Site Structures / Soils and Building Material *Former Market Garden Agricultural Areas / Soils* *Hydrological Features / Sediments, Soils and Surface Waters* *Whole of Site Boundary areas / Soils*	Site wide, 4 ha	47 systematic sampling locations	Provide even coverage across site	Heavy metals – 52 samples Asbestos – 48 samples (500ml) TRH, PAHs – 34 samples BTEX – 22 samples VOCs – 6 samples PCBs – 20 samples OCPs – 23 samples OPPs and Acid Herbicides – 19 samples Cyanide and Phenols – 8 samples CEC, pH – 5 samples % clay – 1 sample
Soil Stockpiles	5 stockpiles identified during site inspection	18 locations	Assess potential impacted soil stockpiles	Heavy metals – 18 samples Asbestos – 18 samples (500ml) TRH, BTEX – 18 samples PAHs – 18 samples OCPs/PCBs – 18 samples OPP – 17 samples Cyanide and Phenols – 7 samples
Surface Water	Drainage lines, dams	3 locations, grab sample	Assess potential contamination of surface water	Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) – 3 samples PAHs- 3 samples TRH/BTEX – 3 samples

AEC	Site Areas	Number of Investigation Locations & Method	Rationale	Laboratory Analyses (excludes QA/QC)
				Nutrients – 3 samples pH/EC/Turbidity/Hardness – 3 samples
Groundwater	Adjacent, downgradient of former structure	1 groundwater well	Asses potential contamination of groundwater	Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) – 1 sample PAHs- 1 sample TRH/BTEX – 1 sample TRH/VOCs – 1 sample Cations/Anions – 1 sample pH/EC/Turbidity– 1 sample
Soil (DGA)	Impacted fill in the vicinity of TP178	4 locations	Delineate lead impact	Lead – 4 samples
Soil (DGA)	Impacted fill in the vicinity of TP183	4 locations	Delineate lead and asbestos impact	Lead – 4 samples
Soil (DGA)	Potentially impacted soil surrounding onsite power poles	6 locations	Assess COPC at base of power poles	Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) – 10 samples TRH – 10 samples PAH – 10 samples OCP – 10 samples

In addition to the above primary analyses, to address the DQIs, field duplicate and triplicate samples were analysed at a rate of one per 20 primary samples across the larger parcel of land. As noted in **Section 5.1.6**, QA/QC measures implemented across the larger parcel of land have been used to assess the overall quality of site data, noting one triplicate and duplicate soil sample and no duplicate water samples were collected from the site as part of the DSI. In addition, one triplicate and duplicate soil sample were collected from the site as part of the DGA. A single trip spike and single trip blank accompanied each sample batch where volatile COPCs were analysed.

©JBS&G Australia Pty Ltd

6. Assessment Criteria

6.1.1 Regulatory Guidelines

Development of site assessment criteria and the associated scope of investigation was undertaken with consideration to aspects of the following guidelines, as relevant:

- *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013),* National Environment Protection Council (NEPC 2013);
- *Environment Protection Authority – Sampling design part 1 – application. Contaminated Land Guidelines*, August 2022 (EPA 2022)
- *Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme*, 3rd Edition, NSW EPA, 2017 (EPA 2017);
- *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*, 29 August 2018, (ANZG 2018);
- *Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination*, NSW DEC, March 2007 (DEC 2007);
- *Contaminated Sites: Guidelines on Duty to Report Contamination under the Contaminated Land Management Act 1997*, NSW EPA, September 2015 (EPA 2015);
- *Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia*, Western Australia Department of Health, 2009 (WA DoH 2009); and
- *Consultants Reporting on Contaminated Land - Contaminated Land Guidelines*, April 2020, NSW Environmental Protection Authority (EPA 2020).

6.1.2 Soil Assessment Criteria

As per the decision process for assessment of urban development sites (EPA 2017), a set of health and ecological assessment thresholds derived from NEPC (2013) were used for evaluation of site contamination data collected for this assessment. Given the proposed secondary school use, which is equivalent to recreational land use as described in NEPC (2013) , the site data was compared to the following criteria:

- Health Investigation Levels (HILs) for recreational (HIL C) land use;
- Soil Health Screening Levels (HSLs) for Vapour Intrusion, recreational (HSL C) land use;
- HSLs for asbestos levels in soil for recreational (HSL C) land use;
- Site specific Ecological Investigation Levels (EILs) for Urban residential/public open space land use scenarios;
- Ecological Screening Levels (ESLs) for Urban residential/public open space land use scenarios;
- Management limits for petroleum hydrocarbons for parkland and public open space. Following the NEPM guidance, Management limits were considered only after HIL/HSLs and EIL/ESLs; and
- Aesthetic considerations, applicable to recreational land use.

The results of asbestos analysis were assessed in general accordance with NEPC (2013) including DOH (2009[17]) guidance.

[17] Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia, May 2009. Western Australia Department of Health (DOH), (DOH 2009)

Where there is no NSW EPA endorsed thresholds the laboratory limit of reporting (LOR) was adopted as an initial screening value for the purposes of this assessment.

6.1.3 Surface Assessment Criteria

Results of surface water analysis were assessed with reference to the following guidelines:

- Default Guideline Values (DGVs) from the ANZG (2018), freshwater systems at 95% level of protection and from NEPC (2013);
- Secondary/primary recreational contact from NHMRC (2008[18]). Recreational criteria will be applied as human contact with surface water may occur during dewatering;
- Physical and chemical stressors for Lowland Rivers in South-Eastern Australia adopted from ANZECC/ARMCANZ (2000). These criteria will be adopted in the absence of equivalent ANZG (2018) values. They are low-risk guidelines intended to apply to flowing waters and are protective of secondary water quality effects in receiving surface water bodies; and
- Short-term (<20 years) irrigation criteria adopted from ANZECC (2000) for assessment of suitability of the surface water for onsite dewatering. It is noted that the criteria were developed to consider the impact of irrigation water on crop yield, and have been used for screening purposes only.

6.1.4 Groundwater Assessment Criteria

Results of groundwater analysis were assessed with reference to the following guidelines:

- Groundwater health screening levels (HSLs) for vapour intrusion in fine soil at as presented in NEPC (2013);
- Drinking water and recreational criteria will be adopted as a conservative assessment of worker exposure risk during potential excavation works involving interaction with groundwater, from the Australian Drinking Water Guidelines NHMRC (2011[19]) (Recreational is 10x the drinking water criteria for health); and
- To assess the potential risk of contaminated groundwater migrating First Pond Creek, reference has been made to the *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (ANZG 2018). Given the somewhat urbanised nature of the receiving water body, freshwater criteria for protection of 95% species in a slightly to moderately disturbed ecosystem was adopted.

Where there are no NSW EPA endorsed thresholds, the laboratory LOR was adopted as an initial screening value for the purpose of this assessment in lieu of site-specific risk assessment derived criteria.

[18] *Guidelines for Managing Risks in Recreational Water*, National Health and Medical Research Council 2008 (NHMRC 2008)

[19] Australian Drinking Water *Guidelines* (ADWG) NHMRC (2011, as amended 2016)

7. Quality Assurance / Quality Control

As noted in **Section 5**, An assessment of field and laboratory QA/QC measures implemented during site assessment have been assessed as part of the QA/QC control measures adopted for the DSI and DGA of the larger parcel of land that included the site. Detailed QA/QC assessments for the DSI and DGA for the larger parcel of land including the site is provided in **Appendix L**.

The field sampling and handling procedures across the site produced QA/QC results which indicate that the investigation data collected is of an acceptable quality. Notation has been made of the inherent heterogeneity of the fill matrix within the decision-making framework to ensure appropriate conservatism is adopted to manage site contamination risks.

The NATA certified laboratory reports indicate that the project laboratories were achieving levels of performance within its recommended control limits during the period when the samples from this program were analysed.

Based on the results of the field and laboratory QA/QC program, the soil, surface water and groundwater data were of an acceptable quality upon which to draw conclusions regarding the environmental condition of the site.

©JBS&G Australia Pty Ltd

8. Investigation Results

Site investigations were undertaken in two stages, with detailed site investigation comprising the first stage in September 2022 and data gap investigation undertaken as a second stage in October 2023.

8.1 Soil Observations

Soil sampling as part of detailed site investigation was conducted between 12 and 16 September 2022 at the sampling locations shown on **Figure 4**. Borehole and test pit logs are included in **Appendix J**. A summary of soil conditions present at the site is presented as follows. A total of 47 test pits were completed within in-situ soils using an excavator.

Fill material encountered at each sampling location typically ranged in depths from 0.1 to 0.8 m below ground surface (bgs), with fill extending to 2 m depth at well location GW02, which may have been located in a former cellar. The fill generally comprised brown silty/sandy clay with inclusions of rootlets and organic matter. Minor anthropogenic inclusions comprising brick and tile fragments (GW02), and glass, metal and ACM fragments (TP183). Suspected ACM fragments were observed within the fill profile at TP183. Fill material was underlain by natural clay/sandy clay further underlain by weathered shale.

There were no significant indicators (odours or staining) of potential contamination within the fill or natural materials observed across the site. PID readings (0-0.3 ppm) from sampled soils indicated no significant sources of hydrocarbon/VOC contamination existing within site soils.

Five stockpiles were identified at the site as described following:

- Stockpile SP01 (approx. volume 10 m^3) comprising dark brown/brown, gravelly, silty clay, with anthropogenic inclusions of brick, metal and plastic.
- Stockpile SP02 (approx. volume 30 m^3) comprising brown, gravelly, silty clay, with anthropogenic inclusions of brick, metal and plastic.
- Stockpile SP03 (approx. volume 145 m^3) comprising brown/orange, gravelly, silty clay, with anthropogenic inclusions of brick, metal and plastic.
- Stockpile SP04 (approx. volume 10 m^3) comprising brown, gravelly sand, with an anthropogenic inclusion of brick.
- Stockpile SP05 (approx. volume 32 m^3) comprising brown, gravelly clay.

Data gap assessment soil sampling was conducted on 24 October 2023 across the larger property with eleven additional sampling locations (TP183A to 183D, TP178A to 178D, PP01, PP02, PP03) relevant to the site shown on **Figures 4** and test pit logs are included in **Appendix J**. A summary of soil conditions encountered at the site is presented as follows. A total of 11 test pits (TP183A to 183D, TP178A to 178D, PP01, PP02, PP03) were completed within in-situ soils in accessible areas of the site via excavator.

Fill material encountered at each sampling location typically ranged in depths from 0.0 to 1.5 m below ground surface (bgs). Fill soil observations within each AEC is summarised in **Table 8.1** below. Fill material was underlain by natural grey/ brown silty/gravelly clay further underlain by brown/orange clay.

Table 8.1 Fill Soil Observations

AEC	Soil Observations
Potentially lead impacted fill in the vicinity of TP178	TP178A to TP178D - Fill material generally comprised brown silty clay. Inclusions of brick and pavers (50%) observed at TP178C.
Asbestos impacted and potentially lead impacted fill in the vicinity of TP183	TP183A to TP183D – Fill material generally comprised brown silty clay with inclusions of brick, steel plates/ beams, plastic, ceramic, glass, metal, timber and automotive parts. Suspected ACM observed within the fill profile at TP183B, TP183C and 183D.

Power poles	PP01, PP02, PP03 - Fill material generally comprised brown/grey silty clay with inclusions of lithic gravels

It is noted that ACM was detected io TP183 at a concentration exceeding the adopted assessment criterion. ACM was also detected in TP183 B, TP183C and TP183D and the extent of ACM impacted fill has not been delineated. Furthermore, it is noted that TP183B intercepted a potential rubbish burial pit containing ACM, and inclusions of rubber, building and demolition rubble, automotive filters and other car parts, metal, timber ceramics and glass, in 1.5 m deep fill layer.

8.2 Soil Analytical Results

Detailed laboratory reports and chain of custody documentation are provided in **Appendix K**. Summarised soil laboratory results are presented in **Appendix A**, **Table A** and discussed in the following sections. Bulk screening for asbestos was undertaken where anthropogenic inclusions were identified in fill material in test pits as presented in **Table 8.1**. COPC concentrations in soils exceeding adopted assessment criteria are shown on **Figure 4**.

8.2.1 Metals

Review of results of analysis indicated heavy metals concentrations in stockpile samples selected for analysis were reported at levels less than the adopted health-based assessment criteria. Heavy metal concentrations were ecological based assessment criteria with the following exception:

- 780 mg/kg zinc in sample SP02-03 collected from stockpile SP02 exceeding the adopted site-specific ecological criterion (EIL, 380 mg/kg). Sufficient data for SP02 was not available to undertake statistical analysis. Therefore, the reported zinc concentration in SP02 require further assessment and/or management.

Individual heavy metals concentrations in in-situ soil samples selected for analysis were reported at levels less than the adopted health and ecological based assessment criteria.

8.2.2 Polycyclic Aromatic Hydrocarbons

PAH compounds in samples selected for analysis were reported at levels less than the laboratory LOR and/or the adopted health and ecological based assessment criteria.

8.2.3 Total Recoverable Hydrocarbons

Concentrations of TRH and BTEX in all analysed samples were reported below the laboratory LOR and/or less than the adopted health and ecological based assessment criteria.

8.2.4 Volatile Organic Compounds

Concentrations of VOC compounds including BTEX in all soil samples selected for analysis were reported to be below the adopted health and ecological site assessment criteria.

8.2.5 Organochlorine Pesticides

Concentrations of OCPs in all analysed samples were reported to be below the laboratory LOR and/or less than the adopted health and ecological based site assessment criteria.

8.2.6 Organophosphorus Pesticides and Acid Herbicides

Concentrations of OPPs and Acid Herbicides in all analysed samples were reported to be below the laboratory LOR and/or less than the adopted health and ecological based site assessment criteria.

8.2.7 Polychlorinated Biphenyls

Concentrations of PCBs in all samples selected for analysis were reported below the laboratory LOR.

8.2.8 Asbestos

Asbestos was reported to be present below the laboratory LOR in soil samples selected for analysis with the exception of 0.05 % w/w ACM in TP183_0-0.1, exceeding the adopted ACM assessment criterion of 0.02 % w/w.

Laboratory analysis of a fragment of ACM collected at TP183 confirmed the presence of chrysotile and amosite asbestos in the material. Field asbestos quantification results are summarised in **Table 8.1** below.

Table 8.2: Asbestos Quantification Results

Sample ID	Approx. Volume of Soil (L)	Mass ACM (g)	Mass Asbestos in ACM (g)	Asbestos from ACM in soil (% w/w)
TP183_0-0.1	10	58	8.7	0.05

It is noted that new stockpile of potential ACM sheet fragments was observed in the northern portion of the site during the inspection on 19 September 2024.

8.3 Groundwater Field Observations

Groundwater samples were collected from one groundwater monitoring well (GW02) on 19 October 2022. Groundwater field sheets are provided in **Appendix J**. The groundwater monitoring well location is shown on **Figure 5**. Details of depths to groundwater and other geospatial characteristics are summarised in **Table 8.3** below. A summary of groundwater conditions encountered during groundwater sampling is presented in **Tables 8.3** and **8.4** below. The groundwater field data sheet is provided in **Appendix N**.

Table 8.3 Groundwater Geospatial Details

Well Reference	Easting	Northing	Well Height (m AHD top of casing)	Depth to Groundwater (m below top of casing)	Groundwater Level (m AHD)
GW02	304435.6	6270975.6	45.14	4.908	40.232

MGA coordinate and AHD values were provided by a registered surveyor, with the surveyor's report provided as part of **Appendix O**. Based on the groundwater levels for the wells on the larger property, the inferred direction of groundwater flow was to the northwest, towards First Ponds Creek.

Table 8.4 Groundwater Field Physicochemical Parameters

Well Reference	Dissolved Oxygen (mg/L)	Electrical Conductivity (µS/cm)	pH (units)	Oxidation Reduction Potential (mV)	Temperature (°C)
GW02	2.6	4450	6.74	-274.5	16.5

Review of the field measured parameters presented in **Table 8.3** indicates that the groundwater is mildly acidic, and characterised as slightly saline.

Groundwater sampled from GFW02 slightly turbid, odourless, with no sheen.

8.4 Groundwater Analytical Results

Detailed laboratory reports and chain of custody documentation are provided in **Appendix K**. Summarised groundwater laboratory results are presented in **Appendix A**, **Table B** and discussed in the following sections. Groundwater exceedances are presented in **Figure 5**.

8.4.1 Metals

Heavy metal concentrations within the analysed samples were reported to be below the adopted site assessment criteria with the following exception:

- 0.002 mg/L copper in GW02 exceeding the freshwater 95% DGV (0.0014 mg/L).

8.4.2 Total Recoverable Hydrocarbons and BTEX Compounds

TRH and BTEX compounds were mostly reported at concentrations less than the laboratory LOR and/or the adopted site assessment criteria.

8.4.3 VOCs

VOCs were reported below the adopted site assessment criteria.

8.4.4 Polycyclic Aromatic Hydrocarbons

PAH compound concentrations were all reported less than the laboratory LOR and/or the adopted site assessment criteria.

PAHs were not identified in concentrations above the LOR in the groundwater sample. It is noted that although the criteria for some PAHs were less than the limit of reporting, PAHs in site soils were low, and PAHs are not considered to be a potential groundwater contaminant.

8.4.5 Other

Other analytes assessed in groundwater that exceeded adopted assessment criteria included:

- sodium with a concentration was 670 mg/L, exceeding the aesthetic drinking water criterion of 180 mg/L;
- chloride with concentration was 790 mg/L, exceeding the aesthetic drinking water criterion of 250mg/L; and
- turbidity with a value of 7600 NTU, exceeding the aesthetic criterion of 5 NTU.

8.5 Surface Water Observations

Surface water observations for surface water sampling locations are summarised below in **Table 8.5**. The surface water field data sheet is provided in **Appendix N**.

Table 8.5 Surface Water Observations

Sample	Odour	Sheen	Turbidity	Colour	Light non-aqueous phase liquid (LNAPL)
SW03	No odour	No sheen	Moderate	Light brown	None observed
SW04	No odour	No sheen	Moderate	Light brown	None observed
SW05	No odour	No sheen	Low	Clear	None observed

8.6 Surface Water Analytical Results

Detailed laboratory reports and chain of custody documentation are provided in **Appendix K**. Summarised groundwater laboratory results are presented in **Appendix A**, **Table C** and discussed in the following sections. Surface water analyte concentrations exceeding adopted assessment criteria are presented in **Figure 5**.

8.6.1 Metals

Heavy metal concentrations within the sample were all reported to be below the adopted site assessment criteria with the exception of the following:

- 0.0003 mg/L cadmium in SW05 (0.0003 mg/L) exceeding the freshwater 95% DGV (0.0002 mg/L).
- 0.005 mg/L chromium in SW05 exceeding the freshwater 95% DGV (0.001 mg/L).
- Copper concentrations detected in all surface water samples ranging between 0.003 and 0.018 mg/L, exceeding the freshwater 95% DGV (0.0014 mg/L); and

- 0.025 mg/L zinc in SW04 and 2.4 mg/L zinc in SW05 exceeding the freshwater 95% DGV (0.008 mg/L).

The elevated metals concentrations recorded at SW05, located near the eastern boundary of the site, is potentially associated with runoff from the upgradient building sites currently being developed for residential use.

8.6.2 TRH and BTEX

TRH and BTEX compounds were reported to be less than the laboratory LOR and/or the adopted site assessment criteria.

8.6.3 PAHs

PAH compound concentrations were all reported to be less than the laboratory LOR and the adopted site assessment criteria.

8.6.4 Other

Other analytes assessed in groundwater that exceeded adopted assessment criteria included:

- ammonia with concentrations were reported of 0.21 mg/L in SW03 and 0.31 mg/L in SW04, exceeding drinking water aesthetic criterion;
- hardness as $CaCO_3$ with a concentration of 2100 mg/L, exceeding the drinking water aesthetic criterion; and
- turbidity between 7.5 and 22 NTU exceeding drinking water aesthetic criterion reported at the three surface water sampling locations.

Nitrate and nitrite concentrations were below the adopted assessment criteria.

9. Site Characterisation and Discussion

Based on the decision-making process for assessing urban redevelopment sites detailed in EPA (2017), and with reference to the decision rules developed in **Section 5.1.2**, the following sections discuss potential risks posed to future on-site receptors from impacted media present at the site.

9.1 Are there any unacceptable risks to future onsite receptors?

In reference to the decision rules developed in **Section 5.1.2**, the following sections discuss potential risks posed to future on-site receptors from impacted media present at the site.

Soil

Representative samples of soil analysed for identified contaminants of concern were reviewed against established site assessment criteria.

Stockpiles

Concentration of zinc was reported exceeding the adopted ecological criteria in one of three samples collected from stockpile SP02. The stockpile was overgrown at the time of the investigation with no adverse ecological effects observed and noting that the volume of this stockpile was approximately 30 m^3, the one zinc concentration is considered not to pose a potential risk to potential ecological receptors. As discussed in **Section 9.4**, material within stockpile SP02 requires management with respect to identified aesthetic impacts.

In-situ soil

Asbestos as bonded ACM was identified exceeding the adopted human health criteria in the fill profile at TP183_0-0.1. ACM was also identified in test pits TP183B, TP183C and TP183D but the extent of ACM impacts in fill have not been delineated. The fill identified in TP183B was 1.5 m deep and appeared to be associated with a waste burial pit. The fill material encountered in TP183B also contains waste materials that will require separation and off-site disposal. The identified asbestos and waste impacts require remediation/management prior to development of the site.

Groundwater

Comparison of analytical results with the adopted health screening and recreational criteria adopted has not identified the occurrence of groundwater impacts presenting a significant risk to future site users, noting that groundwater at the site is not considered a drinking water source. The reported copper concentration is considered to most likely reflect background conditions within the hydrogeological setting of the site given that no elevated levels of zinc or copper were identified within soil samples collected at the site.

Surface water

It is considered that the heavy metal concentrations within the surface water do not pose a health risk and the water can likely be irrigated or used for dust suppression on the site.

9.2 Background Soil Concentrations

In-situ natural soils were sampled and analysed for heavy metals, PAHs, TRH, BTEX, OCPs/OPP and PCBs. Heavy metals concentrations were reported to be within background concentrations provided in Olszowy et. al. (1995) and were below the adopted site criteria. Other organic contaminants were detected below the laboratory LOR and/or the adopted site criteria.

9.3 Chemical Mixtures

There were no potential chemical mixtures identified during the investigation that may pose an unacceptable contamination risk at the site with respect to future site users.

9.4 Aesthetic Issues

Minor anthropogenic inclusions comprising polystyrene foam, asphalt, plastic, tile, glass, metal, PVC, rubber and bitumen were observed in fill material at test pits TP183 and TP183B, with building and demolition waste and car parts also identified in TP183B. Further, anthropogenic material including brick, metal and plastic were observed within stockpile SP01-SP04. Aesthetic impacts may require management during activity at the site, if this fill material will be exposed following completion of development works

Suspected ACM fragments were observed within the fill profile at TP183. The identified ACM impacts require remediation/management with respect to identified potential human health risks.

9.5 Potential Migration of Contaminants

Based on the conditions encountered during the soil investigation, and findings of the groundwater assessment, the potential for COPC migration to groundwater or off-site migration of contamination via surface water/groundwater is considered to be low.

9.6 Site Management Strategy

The site is proposed for constructed and operation of the new Schofields - Tallawong High School.

Based on the proposed land use, the scope of work completed for the site and the limitations presented in **Section 11**, the DSI has identified ACM impacts within fill material that will require remediation/management that the site may be considered suitable for the proposed future site use.

Aesthetic impacts associated with anthropogenic material in limited in-situ fill at test pits TP183 and in stockpiles SP01-SP04 may require management during redevelopment of the site, should the fill material be exposed following completion of activity at the site. In addition, waste materials in fill in TP183B will require removal and off-site disposal.

9.7 Mitigation Measures

Mitigation measures for site contamination summarised in **Section 9.6** are summarised in **Table 9.1**.

Table 9-1: Mitigation Measures

Mitigation Name	Aspect/Section	Mitigation Measure	Reason for Mitigation Measure
Preparation of a Remedial Action Plan (RAP) to address identified contamination and unexpected finds	As part of initial civil works	A RAP is to be prepared to identify remediation/management requirements to be implemented as part of initial civil works.	To ensure the site is suitable for the proposed use

9.8 Evaluation of Environmental Impacts

Based on the findings of this DSI, the following evaluation of environmental impacts, relating to identified site contamination, has been made:

- The extent and nature of potential impacts are low and will not have significant impact on the locality, community and/or the environment.
- Potential impacts can be appropriately mitigated or managed to ensure that there is minimal impact on the locality, community and/or the environment.
- Adequately mitigated through recommended measures.
- Is not considered to be a significant impact.

10. Conclusions and Recommendations

Based on the scope of works completed, and subject to the limitations presented in **Section 11**, the following conclusions are provided:

- The DSI investigation included soil investigation via completion of 47 test pits for characterisation of in situ soil, 14 test pits for data gap assessment, and collection of 18 samples for characterisation of five stockpiles present on site. Representative soil samples were analysed for a broad range of COPCs identified in the CSM. With consideration to the adopted site assessment criteria, the following conditions were identified that require further consideration from a health and/or ecological risk viewpoint with regard to the suitability of the site for the proposed land use:
    - Bonded ACM impacts identified in the fill profile at TP183, TP183B, TP183C and TP183D represent a potentially unacceptable risk to human health receptors. The identified asbestos impacts require remediation/management prior to activity at the site;
    - Waste materials in fill identified in TP183B will require removal and off-site disposal.
- Aesthetic impacts associated with anthropogenic material in limited in-situ fill at test pits TP183 and in stockpiles SP01-SP04 may require management during redevelopment of the site, should the fill material be exposed following completion of development works.
- Groundwater assessment has identified:
    - copper in a concentration exceeding adopted criteria protective of 95% of species in freshwater were detected in groundwater, however, the concentrations are considered to most likely reflect background conditions within the hydrogeological setting of the site and no further consideration of copper in groundwater is required;
- Comparison of surface water analytical results with the adopted health screening and recreational criteria adopted has not identified the occurrence of surface water impacts presenting a significant risk to future site users. It is considered that the heavy metal concentrations within the surface water do not pose a health risk and the water can likely be irrigated or used for dust suppression on the site.
- It is considered that the site can be made suitable for the proposed high school use subject to preparation and successful implementation of an appropriate Remedial Action Plan (RAP) to address the areas of concern outlined above.

©JBS&G Australia Pty Ltd

11. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

JBS&G accepts no liability for use or interpretation by any person or body other than the client who commissioned the works. This report should not be reproduced without prior approval by the client, or amended in any way without prior approval by JBS&G, and should not be relied upon by other parties, who should make their own enquires.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Ground conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

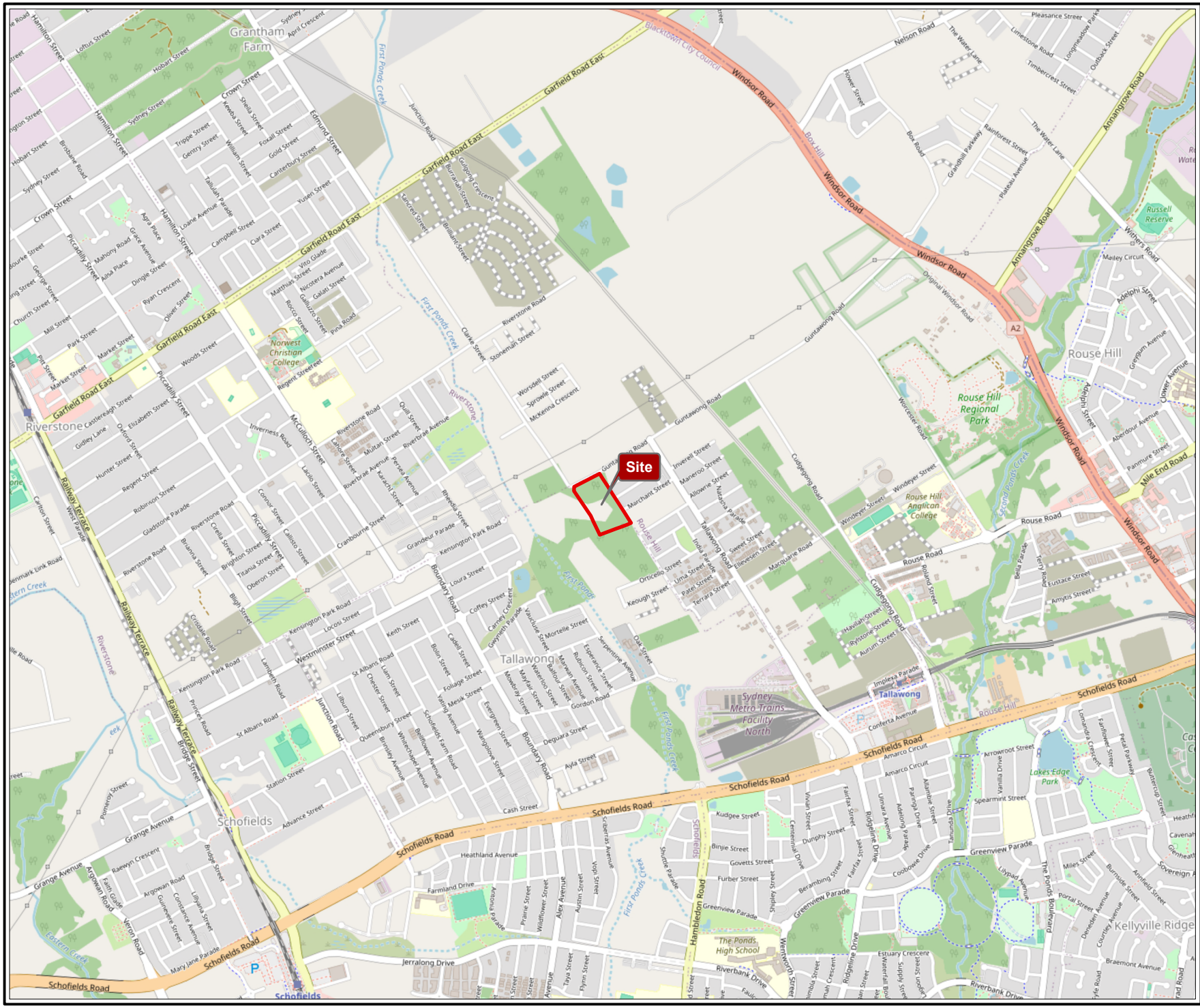
Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.

©JBS&G Australia Pty Ltd

Figures

©JBS&G Australia Pty Ltd



Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date 26/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:25,000

0 250 500

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

SITE LOCATION

FIGURE 1

File Name: 67774_GuntawongRdDSIandRAP_R01

Reference: © OpenStreetMap (and) contributors, CC-BY-SA

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Equine Livestock Storage
- Former Market Garden
- Former Residence
- Dam
- Stockpile
- New Stockpiles (2024)
  - SPA - ACM Sheets
  - SPB - Tyres
  - SPC - Topsoil
  - SPD - Gravel/Pebbles
  - SPE - Soil with Building and Demolition Rubble

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date 27/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:2,000

0 10 20
metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

SITE LAYOUT

FIGURE 2

File Name: 67774_GuntawongRdDSIandRAP_R01
Reference: Nearmap - www.nearmap.com (Capture Date: 28/08/2024)

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Dam
- Former Intensive Agricultural Activities
- Cutting / Filling Materials
- Former or Current Building / Structures

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date 26/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:2,000

0 10 20
metres

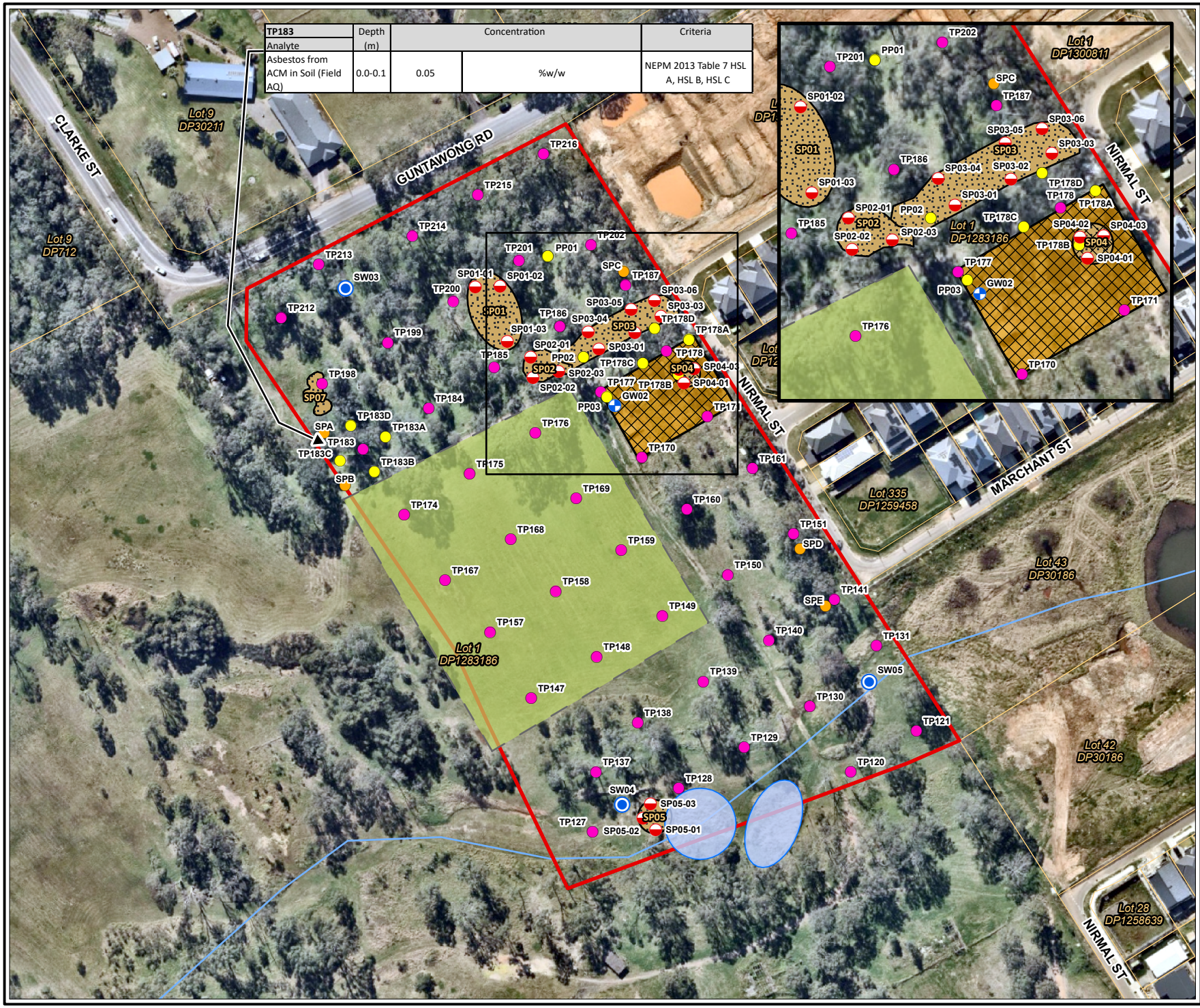
Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road,
Tallawong, NSW

AREAS OF ENVIRONMENTAL CONCERN

FIGURE 3

File Name: 67774_GuntawongRdDSIandRAP_R01
Reference: Nearmap - www.nearmap.com (Capture Date: 28/08/2024)



JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date 27/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:2,000

0 10 20
metres

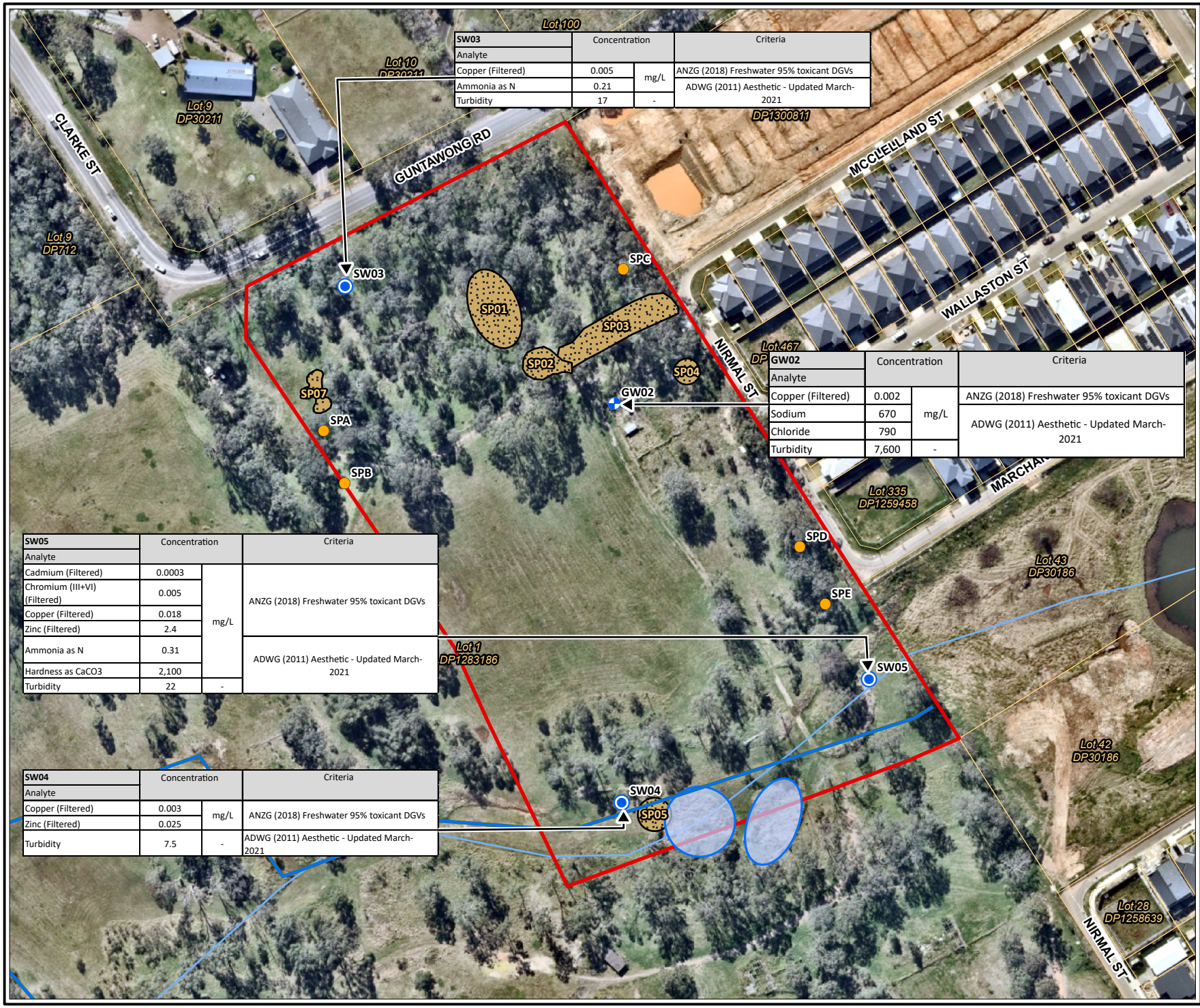
Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

SAMPLE LOCATIONS

FIGURE 4

File Name: 67774_GuntawongRdDSIandRAP_R01
Reference: Nearmap - www.nearmap.com (Capture Date: 28/08/2024)



SW03	Concentration		Criteria
Analyte			
Copper (Filtered)	0.005	mg/L	ANZG (2018) Freshwater 95% toxicant DGVs
Ammonia as N	0.21		ADWG (2011) Aesthetic - Updated March-2021
Turbidity	17	-	

GW02	Concentration		Criteria
Analyte			
Copper (Filtered)	0.002	mg/L	ANZG (2018) Freshwater 95% toxicant DGVs
Sodium	670		ADWG (2011) Aesthetic - Updated March-2021
Chloride	790		
Turbidity	7,600	-	

SW05	Concentration		Criteria
Analyte			
Cadmium (Filtered)	0.0003	mg/L	ANZG (2018) Freshwater 95% toxicant DGVs
Chromium (III+VI) (Filtered)	0.005		
Copper (Filtered)	0.018		
Zinc (Filtered)	2.4		
Ammonia as N	0.31		ADWG (2011) Aesthetic - Updated March-2021
Hardness as CaCO3	2,100		
Turbidity	22	-	

SW04	Concentration		Criteria
Analyte			
Copper (Filtered)	0.003	mg/L	ANZG (2018) Freshwater 95% toxicant DGVs
Zinc (Filtered)	0.025		
Turbidity	7.5	-	ADWG (2011) Aesthetic - Updated March-2021

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Sydney Water Sewer
- Dam
- Stockpile
- New Stockpiles (2024)

Sample Locations

- Surface Water Sample Location
- Ground Water Sample Location

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A | Date 14/11/2024

Drawn By: TS | Checked By: JDM

Scale 1:2,000

0 10 20

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

SAMPLE LOCATIONS

FIGURE 5

File Name: 67774_GuntawongRdDSIandRAP_R01
Reference: Nearmap - www.nearmap.com (Capture Date: 28/08/2024)

Appendix A Summary Tables

©JBS&G Australia Pty Ltd

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (value used in F2 calc)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	5	5	5	0.1	5	5	20	20	50	50	50	20	50	100	100	100	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
NEPC 2013 EIL, Site Specific			100			150	1100		75	380																			
NEPM 2013 Table 1A(1) HILs Rec C Soil			300	90	300	17000	600	80	1200	30000																			
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																													
0-1m																					NL	NL	0.5	160	55			40	3
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		300	2800		180	120	50	85	70			105	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																700	1000	2500	10000										
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																													
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Number**																											
Stockpile Samples																													
SP01-01	15/09/2022	924719	15	<0.4	26	14	38	<0.1	12	79	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP01-02	15/09/2022	924719	16	<0.4	33	15	42	<0.1	7.6	74	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP01-03	15/09/2022	924719	7.2	<0.4	12	41	17	<0.1	20	82	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP02-01	15/09/2022	924719	9.2	<0.4	19	21	35	<0.1	11	48	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP02-02	15/09/2022	924719	17	<0.4	26	21	37	<0.1	15	73	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP02-03	15/09/2022	924719	16	<0.4	28	25	99	<0.1	15	780	<20	<20	50	63	113	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-01	15/09/2022	924719	15	<0.4	27	27	51	<0.1	8.7	45	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-02	15/09/2022	924719	17	<0.4	27	31	53	<0.1	9.4	160	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-03	15/09/2022	924719	19	<0.4	30	39	57	<0.1	20	180	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-04	15/09/2022	924719	11	<0.4	20	22	47	<0.1	12	82	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-05	15/09/2022	924719	12	<0.4	18	18	38	<0.1	5	96	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP03-06	15/09/2022	924719	12	<0.4	15	21	60	<0.1	<5	22	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP04-01	15/09/2022	924719	5.5	<0.4	18	29	31	<0.1	7.6	68	<20	<100	<250	<250	<250	<20	<250	<500	<500	<500	<20	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP04-02	15/09/2022	924719	3.7	<0.4	14	14	34	<0.1	6.7	82	<20	<20	56	87	143	<20	<50	100	<100	100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP04-03	15/09/2022	924719	4.8	<0.4	17	24	29	<0.1	9.4	67	<20	<20	74	87	161	<20	<50	120	110	230	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP05_01	16/09/2022	924721	7.9	<0.4	14	14	18	<0.1	8.6	37	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP05_02	16/09/2022	924721	17	<0.4	30	17	32	<0.1	8.3	40	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
SP05_03	16/09/2022	924721	14	<0.4	19	21	21	<0.1	7.9	42	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
Insitu Samples																													
TP120_0.0-0.1	12/09/2022	923050	12	<0.4	22	8.4	23	<0.1	5.7	17	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP121_0.0-0.1	12/09/2022	923050	14	<0.4	20	6.2	16	<0.1	<5	10	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP121_0.5-0.6	12/09/2022	923050	13	<0.4	17	15	19	<0.1	7.1	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	12	<0.4	18	17	47	<0.1	7.4	43	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP128_0-0.1	14/09/2022	924697	9.9	<0.4	16	23	27	<0.1	15	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	9.3	<0.4	21	9.7	20	<0.1	9.4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	12	<0.4	24	16	23	<0.1	9.3	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	12	<0.4	16	11	220	<0.1	6.2	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	15	<0.4	17	23	16	<0.1	6.3	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	13	<0.4	17	10	23	<0.1	5.7	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	9.2	<0.4	18	6.7	18	<0.1	5.6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	6.1	<0.4	19	8.1	31	<0.1	5.7	23	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP139_0.0-0.1	13/09/2022	923582	9	<0.4	17	10	47	<0.1	6.7	39	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP140_0.0-0.1	12/09/2022	923050	13	<0.4	22	11	97	<0.1	9.2	52	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	10	<0.4	16	11	24	<0.1	5.4	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP147_0-0.1	14/09/2022	924697	8.4	<0.4	13	5.1	20	<0.1	<5	9.5	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP148_0-0.1	14/09/2022	924697	5.3	<0.4	11	5.4	21	<0.1	<5	15	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP149_0.0-0.1	13/09/2022	923582	17	<0.4	35	12	42	<0.1	11	26	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP150_0.0-0.1	12/09/2022	923050	19	<0.4	31	13	37	<0.1	13	49	<20	<20	<50	56	56	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP151_0.3-0.4	12/09/2022	923050	9.1	<0.4	14	8.9	17	<0.1	<5	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	6.7	<0.4	12	<5	18	<0.1	<5	11	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP158_0-0.1	14/09/2022	924697	15	<0.4	29	8	19	<0.1	6.5	23	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP159_0.0-0.1	13/09/2022	923582	12	<0.4	25	11	40	<0.1	7.2	39	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP160_0.0-0.1	12/09/2022	923050	13	<0.4	24	17	51	<0.1	8.8	96	<20	22	100	160	282	<20	<50	190	<100	190	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP161_0.0-0.1	12/09/2022	923050	13	<0.4	21	10	23	<0.1	6.2	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP167_0-0.1	14/09/2022	924697	9.4	<0.4	18	<5	20	<0.1	<5	11	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP168_0-0.1	14/09/2022	924697	14	<0.4	26	9.6	22	<0.1	7.3	29	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP169_0.0-0.1	13/09/2022	923582	15	<0.4	33	20	53	<0.1	10	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP170_0.0-0.1	12/09/2022	923050	16	<0.4	23	20	280	<0.1	13	99	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP171_0.0-0.1	12/09/2022	923050	9	<0.4	15	9.6	21	<0.1	<5	28	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP171_0.4-0.5	12/09/2022	923050	9.4	<0.4	15	22	15	<0.1	5.4	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	5.9	<0.4	15	<5	16	<0.1	<5	11	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP175_0-0.1	14/09/2022	924697	15	<0.4	29	10	21	<0.1	9.9	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP176_0.0-0.1	13/09/2022	923582	20	<0.4	41	17	38	<0.1	8.1	35	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP177_0.0-0.1	12/09/2022	923050	20	<0.4	41	35	180	<0.1	21	97	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP178_0.0-0.1	12/09/2022	923050	9.7	<0.4	17	15	380	<0.1	6	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (value used in F2 calc)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	5	5	5	0.1	5	5	20	20	50	50	50	20	50	100	100	100	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
NEPC 2013 EIL, Site Specific			100			150	1100		75	380																			
NEPM 2013 Table 1A(1) HILs Rec C Soil			300	90	300	17000	600	80	1200	30000																			
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																													
0-1m																					NL	NL	0.5	160	55			40	3
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		300	2800		180	120	50	85	70			105	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																700	1000	2500	10000										
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																													
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Number**																											
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	9.7	1.2	20	51	470	<0.1	14	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	5.8	<0.4	18	5.5	19	<0.1	<5	33	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP185_0.0-0.1	13/09/2022	923582	7.3	<0.4	12	20	19	<0.1	<5	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	17	<0.4	37	11	23	<0.1	6.3	21	<20	<20	<50	52	52	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP187_0.0-0.1	12/09/2022	923050	12	<0.4	20	7.8	21	<0.1	<5	21	<20	<20	<50	57	57	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP198_0-0.1	14/09/2022	924697	6.5	<0.4	11	7.3	18	<0.1	<5	44	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP199_0-0.1	14/09/2022	924697	13	<0.4	19	6.2	17	<0.1	<5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	23	<0.4	33	17	40	<0.1	5.3	9.6	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	14	<0.4	19	11	16	<0.1	5.5	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	9.4	<0.4	16	9.7	22	<0.1	5.8	23	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP202_0.3-0.4	12/09/2022	923050	8	<0.4	15	8.6	20	<0.1	5.1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	15	<0.4	27	16	30	<0.1	10	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP214_0.0-0.1	13/09/2022	923582	6.9	<0.4	15	11	19	<0.1	6.4	16	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	6.5	<0.4	14	11	19	<0.1	6	16	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	6	<0.4	15	11	18	<0.1	6	21	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
TP215_0.0-0.1	12/09/2022	923050	9.2	<0.4	15	12	28	<0.1	5.9	26	<20	<20	<50	60	60	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
TP216_0.0-0.1	12/09/2022	923050	13	<0.4	19	25	44	<0.1	16	59	<20	22	82	140	244	<20	<50	170	<100	170	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP216_0.5-0.6	12/09/2022	923050	14	<0.4	14	16	11	<0.1	<5	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																													
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	9.6	<0.4	20	12	26	<0.1	5.7	55	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
QA02 (Duplicate)	24/10/2023	1038740	8.8	<0.4	18	11	26	<0.1	5.7	51	<20	22	59	61	142	<20	<50	100	<100	100	<20	<50	-	-	-	-	-	-	<0.5
QC02 (Triplicate)	24/10/2023	336499	8	<0.4	14	9	22	<0.1	4	36	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	-	-	-	-	-	-	-	-	-
PP01A-0.2-0.3	26/10/2023	1039089	8.6	<0.4	18	9.1	21	<0.1	5	32	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP01_B 0-0.1	24/10/2023	1038740	11	<0.4	24	11	22	<0.1	7.2	31	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP01B-0.2-0.3	26/10/2023	1039089	12	<0.4	25	8.7	19	<0.1	5.5	19	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP02_A 0-0.1	24/10/2023	1038740	12	<0.4	26	14	18	<0.1	6.6	22	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP02_B 0-0.1	24/10/2023	1038740	16	<0.4	58	9.9	25	<0.1	6.9	41	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP03_A 0-0.1	24/10/2023	1038740	12	<0.4	26	15	64	<0.1	6.6	61	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP03A-0.2-0.3	26/10/2023	1039089	11	<0.4	17	17	18	<0.1	5.5	34	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP03_B 0-0.1	24/10/2023	1038740	5.9	<0.4	19	32	210	<0.1	18	140	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5
PP03B-0.2-0.3	26/10/2023	1039089	14	<0.4	26	13	33	<0.1	8.7	29	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	-	-	-	-	-	-	<0.5

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos detected.
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			PAH																					
			Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[b+j+k]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPC 2013 EIL, Site Specific																				170				
NEPM 2013 Table 1A(1) HILs Rec C Soil								3	3	3														300
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																								
0-1m																				NL				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil							0.7																	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																								
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																								
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																						
Stockpile Samples																								
SP01-01	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP01-02	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP01-03	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP02-01	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP02-02	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP02-03	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-01	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-02	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-03	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-04	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-05	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP03-06	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP04-01	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	0.6	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	1	2.5
SP04-02	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	0.6	1.3	
SP04-03	15/09/2022	924719	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	0.8	1.6	
SP05_01	16/09/2022	924721	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP05_02	16/09/2022	924721	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP05_03	16/09/2022	924721	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Insitu Samples																								
TP120_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP121_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP139_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP140_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP147_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP148_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP149_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP150_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP158_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP159_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP160_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP161_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP167_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP168_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP169_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP170_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP171_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP175_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP176_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP177_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP178_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			PAH																					
			Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[b+j+k]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPC 2013 EIL, Site Specific																				170				
NEPM 2013 Table 1A(1) HILs Rec C Soil								3	3	3														300
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																								
0-1m																				NL				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil							0.7																	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																								
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																								
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																						
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP187_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP198_0-0.1	14/09/2022	924697	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP214_0.0-0.1	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<1	<1	
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
TP215_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP216_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																								
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA02 (Duplicate)	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC02 (Triplicate)	24/10/2023	336499	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
PP01A-0.2-0.3	26/10/2023	1039089	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP01_B 0-0.1	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP01B-0.2-0.3	26/10/2023	1039089	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP02_A 0-0.1	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP02_B 0-0.1	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP03_A 0-0.1	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP03A-0.2-0.3	26/10/2023	1039089	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP03_B 0-0.1	24/10/2023	1038740	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PP03B-0.2-0.3	26/10/2023	1039089	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Organochlorine Pesticides																										
			Pentachlorophenol	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	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	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
NEPC 2013 EIL, Site Specific															180												
NEPM 2013 Table 1A(1) HILs Rec C Soil			120								10	70					400				20			10		400	30
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																											
0-1m																											
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																											
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																											
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																									
Stockpile Samples																											
SP01-01	15/09/2022	924719	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP01-02	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP01-03	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP02-01	15/09/2022	924719	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP02-02	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP02-03	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-01	15/09/2022	924719	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-02	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-03	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-04	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-05	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP03-06	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP04-01	15/09/2022	924719	<1	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.2	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
SP04-02	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP04-03	15/09/2022	924719	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP05_01	16/09/2022	924721	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP05_02	16/09/2022	924721	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
SP05_03	16/09/2022	924721	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
Insitu Samples																											
TP120_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP139_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP147_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP148_0-0.1	14/09/2022	924697	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP149_0.0-0.1	13/09/2022	923582	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP150_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP158_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP159_0.0-0.1	13/09/2022	923582	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP160_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP161_0.0-0.1	12/09/2022	923050	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP167_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP168_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP169_0.0-0.1	13/09/2022	923582	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP170_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP171_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP175_0-0.1	14/09/2022	924697	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP176_0.0-0.1	13/09/2022	923582	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP177_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP178_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Organochlorine Pesticides																									
			Pentachlorophenol	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	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	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
NEPC 2013 EIL, Site Specific															180												
NEPM 2013 Table 1A(1) HILs Rec C Soil			120								10	70					400				20			10		400	30
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																											
0-1m																											
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																											
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																											
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																									
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP198_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<1	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																											
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
QA02 (Duplicate)	24/10/2023	1038740	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
QC02 (Triplicate)	24/10/2023	336499	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-
PP01A-0.2-0.3	26/10/2023	1039089	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP01_B 0-0.1	24/10/2023	1038740	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP01B-0.2-0.3	26/10/2023	1039089	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP02_A 0-0.1	24/10/2023	1038740	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP02_B 0-0.1	24/10/2023	1038740	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP03_A 0-0.1	24/10/2023	1038740	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP03A-0.2-0.3	26/10/2023	1039089	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5
PP03_B 0-0.1	24/10/2023	1038740	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
PP03B-0.2-0.3	26/10/2023	1039089	-	<0.05	<0.05	<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	<0.05	<0.05	<0.5

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Organophosphorus Pesticides																																							
			Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Parathion
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.2	0.2	0.1	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NEPC 2013 EIL, Site Specific																																										
NEPM 2013 Table 1A(1) HILs Rec C Soil							250																																			
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																										
0-1m																																										
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																										
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																										
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																										
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																								
Stockpile Samples																																										
SP01-01	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP01-02	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP01-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP02-01	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP02-02	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP02-03	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-01	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-02	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-03	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-04	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-05	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP03-06	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP04-01	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP04-02	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP04-03	15/09/2022	924719	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP05_01	16/09/2022	924721	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP05_02	16/09/2022	924721	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SP05_03	16/09/2022	924721	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Insitu Samples																																										
TP120_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP139_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP147_0-0.1	14/09/2022	924697	0.3	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP148_0-0.1	14/09/2022	924697	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP149_0.0-0.1	13/09/2022	923582	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP150_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	0.3	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP158_0-0.1	14/09/2022	924697	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP159_0.0-0.1	13/09/2022	923582	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP160_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP161_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP167_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP168_0-0.1	14/09/2022	924697	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP169_0.0-0.1	13/09/2022	923582	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP170_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP171_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP175_0-0.1	14/09/2022	924697	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP176_0.0-0.1	13/09/2022	923582	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP177_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP178_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Organophosphorus Pesticides																																					
			Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Parathion
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.2	0.2	0.1	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NEPC 2013 EIL, Site Specific																																								
NEPM 2013 Table 1A(1) HILs Rec C Soil							250																																	
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																								
0-1m																																								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																								
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																								
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																								
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																						
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP198_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	<0.2	<0.2	-	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																																								
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02 (Duplicate)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02 (Triplicate)	24/10/2023	336499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Chlorinated Alkanes																Chlorinated Alkenes										Solvents	Polychlorinated Biphenyls							
			1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	Acetone	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPC 2013 EIL, Site Specific																																				
NEPM 2013 Table 1A(1) HILs Rec C Soil																																				1
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																				
0-1m																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																				
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																				
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																		
Stockpile Samples																																				
SP01-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP01-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP01-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP02-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP02-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP02-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-04	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-05	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP03-06	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP04-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP04-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP04-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP05_01	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP05_02	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SP05_03	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Insitu Samples																																				
TP120_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP139_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP147_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP148_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP149_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP150_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP158_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP159_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP160_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP161_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP167_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP168_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP169_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP170_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP171_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP175_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP176_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP177_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP178_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Chlorinated Alkanes																Chlorinated Alkenes										Solvents	Polychlorinated Biphenyls							
			1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	Acetone	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPC 2013 EIL, Site Specific																																				
NEPM 2013 Table 1A(1) HILs Rec C Soil																																				1
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																				
0-1m																																				
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																				
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																				
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																				
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																		
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP198_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																																				
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02 (Duplicate)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02 (Triplicate)	24/10/2023	336499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Phenols																						MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				
			2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-D	2,6-dichlorophenol	2-chlorophenol	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-Chloro-3-Methylphenol	4-nitrophenol	Cresol Total	Phenol	Tetrachlorophenols	Phenolics Total	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	1	0.5	0.5	5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	0.5	0.5	10	5	1	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05
NEPC 2013 EIL, Site Specific																																									
NEPM 2013 Table 1A(1) HILs Rec C Soil																		4000	40000																							10
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																									
0-1m																																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																									
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																								
Stockpile Samples																																									
SP01-01	15/09/2022	924719	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP01-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP01-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP02-01	15/09/2022	924719	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP02-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP02-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-01	15/09/2022	924719	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-04	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-05	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP03-06	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP04-01	15/09/2022	924719	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	0.4	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP04-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP04-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP05_01	16/09/2022	924721	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP05_02	16/09/2022	924721	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
SP05_03	16/09/2022	924721	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
Insitu Samples																																									
TP120_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP139_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP141_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP147_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP148_0-0.1	14/09/2022	924697	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP149_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP150_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP158_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP159_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP160_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
TP161_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP167_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP168_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP169_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP170_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
TP171_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP175_0-0.1	14/09/2022	924697	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP176_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP177_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
TP178_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Phenols																						MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				
			2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,4-dimethylphenol	2,4-dinitrophenol	2,6-D	2,6-dichlorophenol	2-chlorophenol	2-Methylphenol	2-nitrophenol	3&4-Methylphenol (m&p-cresol)	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-Chloro-3-Methylphenol	4-nitrophenol	Cresol Total	Phenol	Tetrachlorophenols	Phenolics Total	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	1	0.5	0.5	5	0.5	0.5	0.5	0.2	1	0.4	0.5	20	1	5	0.5	0.5	10	5	1	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05
NEPC 2013 EIL, Site Specific																																									
NEPM 2013 Table 1A(1) HILs Rec C Soil																		4000	40000																							10
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																									
0-1m																																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																									
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																								
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP186_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP198_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<1	<1	<0.5	<0.5	<5	-	<0.5	<0.5	<0.2	<1	<0.4	<0.5	<20	<1	<5	<0.5	<0.5	<10	-	<1	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																																									
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
QA02 (Duplicate)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
QC02 (Triplicate)	24/10/2023	336499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
PP01A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP01_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP01B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP02_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP02_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP03_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP03A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
PP03_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
PP03B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Trihalomethanes				Herbicides & Fungicides																Herbicides								Major Anions		Ionic Balance				
			Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Picloram	2,4,5-TP (Silvex)	2,4,5-Trichlorophenoxy Acetic Acid	2,4-dichlorophenoxybutanoic acid	2,4-Dichlorprop	2-Methyl-4-Chlorophenoxy Butanoic Acid	2-Methyl-4-chlorophenoxyacetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	Bentazone	Bromoxynil	Clopyralid	Dicamba	Dinoseb	Hedonal	Mecoprop	Triclopyr	2,4,6-Trichlorophenoxy-acetic acid	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Acifluorfen	Chloramben	Fluroxypyr	Carbon disulfide	Cyanide Total	Chloride	Sulphate	CEC	Conductivity (1:5 aqueous extract)	pH (aqueous extract)	Exchangeable Sodium Percent	% Clay*
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MEQ/100G	US/CM	pH Units	%	%
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	1	1	0.5	1	10	10	0.05	10	0.1	0.1	1
NEPC 2013 EIL, Site Specific																																					
NEPM 2013 Table 1A(1) HILs Rec C Soil							5700		800			800	800							1300	800																
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																					
0-1m																																					
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																					
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																					
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																					
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																			
Stockpile Samples																																					
SP01-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP01-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP01-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	140	-	-	-	-	-
SP02-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP02-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP02-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP03-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP03-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP03-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP03-04	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP03-05	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP03-06	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP04-01	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP04-02	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP04-03	15/09/2022	924719	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SP05_01	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP05_02	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
SP05_03	16/09/2022	924721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-
Insitu Samples																																					
TP120_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP127_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP128_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP137_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP138_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP139_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	53	4.2	520	4.7	25	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	960	83	3.7	490	4.8	42	-
TP141_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP147_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP148_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-
TP149_0.0-0.1	13/09/2022	923582	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP150_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP157_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP158_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP159_0.0-0.1	13/09/2022	923582	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP160_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-
TP161_0.0-0.1	12/09/2022	923050	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP167_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP168_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP169_0.0-0.1	13/09/2022	923582	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP170_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-
TP171_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP174_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP175_0-0.1	14/09/2022	924697	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-
TP176_0.0-0.1	13/09/2022	923582	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP177_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-
TP178_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

					Trihalomethanes				Herbicides & Fungicides																				Herbicides								Major Anions		Ionic Balance				
					Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Picloram	2,4,5-TP (Silvex)	2,4,5-Trichlorophenoxy Acetic Acid	2,4-dichlorophenoxybutanoic acid	2,4-Dichloprop	2-Methyl-4-Chlorophenoxy Butanoic Acid	2-Methyl-4-chlorophenoxyacetic acid	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	Bentazone	Bromoxynil	Clopyralid	Dicamba	Dinoseb	Hedonal	Mecoprop	Triclopyr	2,4,6-Trichlorophenoxy-acetic acid	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Acifluorfen	Chloramben	Fluroxypyr	Carbon disulfide	Cyanide Total	Chloride	Sulphate	CEC	Conductivity (1:5 aqueous extract)	pH (aqueous extract)	Exchangeable Sodium Percent	% Clay*
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MEQ/100G	US/CM	pH Units	%	%
EQL					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	1	1	0.5	1	10	10	0.05	10	0.1	0.1	1
NEPC 2013 EIL, Site Specific																																									
NEPM 2013 Table 1A(1) HILs Rec C Soil									5700		800			800	800							1300	800																		
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																									
0-1m																																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																									
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																																								
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP184_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP185_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	61	15	33	4.8	3.2	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	55	8.8	27	3.9	2.8	-	-
TP186_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP198_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP199_0-0.1	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	14	7.4	120	3.5	29	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	220	8.4	130	4.1	32	-	-
TP201_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	<0.5	<1	-	-	-	-	-	-	-	-	-	-	-
TP202_0.3-0.4	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	87	14	24	6.7	1.1	6.8	
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	130	6.8	56	5.5	17	-	-
FRAG_TP183	14/09/2022	924697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powerpole Samples																																									
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02 (Duplicate)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC02 (Triplicate)	24/10/2023	336499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP01B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP02_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PP03B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Asbestos - Eurofins																	Asbestos - Envirolab				Other				
			Approximate Sample Mass	Asbestos Sample Dimensions	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Moisture Content (dried @ 103°C)	Salinity	3,5-Dichlorobenzoic acid	Actril (loxynil)	DCPA (Chlorthal) Diacid
			g	Comment	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	%	mg/kg	mg/kg	mg/kg	mg/kg
EQL																						0.1	0.01	0.001	1	20	0.5	0.5	0.5
NEPC 2013 EIL, Site Specific																													
NEPM 2013 Table 1A(1) HILs Rec C Soil																													
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																													
0-1m																													
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																													
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																													
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil							0.02					0.001											0.02	0.001					
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nur**																											
Stockpile Samples																													
SP01-01	15/09/2022	924719	587	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
SP01-02	15/09/2022	924719	586	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
SP01-03	15/09/2022	924719	582	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	-	-
SP02-01	15/09/2022	924719	754	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	-	-
SP02-02	15/09/2022	924719	679	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	-	-
SP02-03	15/09/2022	924719	780	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	12	-	-	-	-
SP03-01	15/09/2022	924719	666	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
SP03-02	15/09/2022	924719	654	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
SP03-03	15/09/2022	924719	672	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	21	-	-	-	-
SP03-04	15/09/2022	924719	620	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	12	-	-	-	-
SP03-05	15/09/2022	924719	586	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
SP03-06	15/09/2022	924719	511	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	25	-	-	-	-
SP04-01	15/09/2022	924719	701	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	14	-	-	-	-
SP04-02	15/09/2022	924719	721	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	11	-	-	-	-
SP04-03	15/09/2022	924719	600	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	11	-	-	-	-
SP05_01	16/09/2022	924721	510	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
SP05_02	16/09/2022	924721	501	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	20	-	-	-	-
SP05_03	16/09/2022	924721	613	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	-	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
Insitu Samples																													
TP120_0.0-0.1	12/09/2022	923050	611	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
TP121_0.0-0.1	12/09/2022	923050	653	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	14	-	-	-	-
TP121_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
TP127_0-0.1	14/09/2022	924697	809	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	15	-	-	-	-
TP128_0-0.1	14/09/2022	924697	927	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	-	1[#11]	1[#1]	-	-	-	-	15	-	-	-	-
TP129_0.0-0.1	13/09/2022	923582	636	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	21	-	-	-	-
TP13_0.0-0.1	13/09/2022	923582	571	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	16	-	-	-	-
TP130_0.0-0.1	12/09/2022	923050	502	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	22	-	-	-	-
TP130_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-
TP131_0.3-0.4	12/09/2022	923050	683	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
TP137_0-0.1	14/09/2022	924697	749	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	-	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
TP138_0-0.1	14/09/2022	924697	559	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	26	-	-	-	-
TP139_0.0-0.1	13/09/2022	923582	434	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	30	-	-	-	-
TP140_0.0-0.1	12/09/2022	923050	673	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
TP140_2.5-2.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	250	-	-	-
TP140_2.9-3.0	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	240	-	-	-
TP141_0.0-0.1	12/09/2022	923050	557	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	22	-	-	-	-
TP147_0-0.1	14/09/2022	924697	705	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	21	-	-	<0.5	-
TP148_0-0.1	14/09/2022	924697	924	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	22	-	-	<0.5	-
TP149_0.0-0.1	13/09/2022	923582	673	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	<0.5	-
TP150_0.0-0.1	12/09/2022	923050	684	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	15	-	-	-	-
TP151_0.3-0.4	12/09/2022	923050	764	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	8.9	-	-	-	-
TP157_0-0.1	14/09/2022	924697	721	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	21	-	-	<0.5	-
TP158_0-0.1	14/09/2022	924697	855	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	20	-	-	<0.5	-
TP159_0.0-0.1	13/09/2022	923582	639	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	24	-	-	<0.5	-
TP160_0.0-0.1	12/09/2022	923050	721	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	<0.5	-
TP161_0.0-0.1	12/09/2022	923050	578	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	<0.5	-
TP167_0-0.1	14/09/2022	924697	886	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	20	-	-	-	-
TP168_0-0.1	14/09/2022	924697	772	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	16	-	-	<0.5	-
TP169_0.0-0.1	13/09/2022	923582	754	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	20	-	-	<0.5	-
TP170_0.0-0.1	12/09/2022	923050	52	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#2]	-	-	-	-	19	-	-	<0.5	-
TP171_0.0-0.1	12/09/2022	923050	515	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	<0.5	-
TP171_0.4-0.5	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-
TP174_0-0.1	14/09/2022	924697	746	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	<0.5	-
TP175_0-0.1	14/09/2022	924697	930	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	-	-	<0.5	-
TP176_0.0-0.1	13/09/2022	923582	735	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	10	-	-	<0.5	-
TP177_0.0-0.1	12/09/2022	923050	636	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	13	-	-	<0.5	-
TP178_0.0-0.1	12/09/2022	923050	360	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	29	-	-	<0.5	-

Table A Soil Analytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

			Asbestos - Eurofins																	Asbestos - Envirolab				Other				
			Approximate Sample Mass	Asbestos Sample Dimensions	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Asbestos from FA & AF in Soil	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Moisture Content (dried @ 103°C)	Salinity	3,5-Dichlorobenzoic acid	Actril (loxynil)	DCPA (Chlorthal) Diacid
			g	Comment	g	g	% (w/w)	g	g	g	g	% (w/w)	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	g/kg	g/kg	% (w/w)	% (w/w)	%	mg/kg	mg/kg	mg/kg	mg/kg
EQL																						0.1	0.01	0.001	1	20	0.5	0.5	0.5
NEPC 2013 EIL, Site Specific																													
NEPM 2013 Table 1A(1) HILs Rec C Soil																													
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																													
0-1m																													
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																													
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																													
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil							0.02					0.001											0.02	0.001					
Field_ID	**Sampled_Date_Tir**	**Lab_Report_Nu**																											
TP178_0.3-0.4	12/09/2022	931453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-
TP178A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-
TP178B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-
TP178C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
TP178D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-
TP183_0-0.1	14/09/2022	924697	582	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	25	-	-	-	-
TP183A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-	-	-	-
TP183B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-	-	-	-
TP183C 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-
TP183D 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	-	-	-
TP184_0-0.1	14/09/2022	924697	680	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
TP185_0.0-0.1	13/09/2022	923582	590	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	18	18	-	-	-
TP185_0.9-1.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	15	-	-	-
TP186_0.0-0.1	12/09/2022	923050	648	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	12	-	-	-	-
TP187_0.0-0.1	12/09/2022	923050	648	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	15	-	-	-	-
TP198_0-0.1	14/09/2022	924697	659	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	13	-	-	-	-
TP199_0-0.1	14/09/2022	924697	1001	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	17	-	-	-	-
TP200_0.0-0.1	13/09/2022	923582	839	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	16	-	-	-	-
TP200_1.4-1.5	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	66	-	-	-
TP200_2.9-3.0	13/09/2022	923582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	72	-	-	-
TP201_0.0-0.1	12/09/2022	923050	659	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
TP202_0.0-0.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	<0.5	-
TP202_0.3-0.4	12/09/2022	923050	502	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	22	-	-	-	-
TP212_0.0-0.1	13/09/2022	923582	606	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	19	-	-	-	-
TP214_0.0-0.1	13/09/2022	923582	652	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	13	-	-	-	-
20220913_QC01LW (intra-lab duplicate of TP214_0.0-0.1)	13/09/2022	923582	762	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	14	-	-	<0.5	-
20220913-QA01LW (inter-lab duplicate of TP214_0.0-0.1)	13/09/2022	305976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001 - 0[#12]	13	-	-	-	-
TP215_0.0-0.1	12/09/2022	923050	615	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	20	-	-	-	-
TP216_0.0-0.1	12/09/2022	923050	494	-	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#7]	1[#6]	1[#11]	1[#1]	-	-	-	-	13	<20	-	-	-
TP216_0.5-0.6	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
TP216_1.0-1.1	12/09/2022	923050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	32	-	-	-
FRAG_TP183	14/09/2022	924697	58	1[#10]	0	0	0	0	0	0	0	0	0	1[#11]	1[#11]	1[#11]	1[#11]	1[#11]	1[#11]	1[#4]	-	-	-	-	-	-	-	-	-
Powerpole Samples																													
PP01_A 0-0.1 (Primary)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-
QA02 (Duplicate)	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-
QC02 (Triplicate)	24/10/2023	336499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-
PP01A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-
PP01_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-
PP01B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-
PP02_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-
PP02_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-
PP03_A 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-	-	-	-
PP03A-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
PP03_B 0-0.1	24/10/2023	1038740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-
PP03B-0.2-0.3	26/10/2023	1039089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-

Data Comments

#1 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos d
#2 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos dete
#3 ACM:Chrysotile; amosite and crocidolite asbestos detected in fibre cement fragments.
#4 Chrysotile and amosite asbestos detected.
#5 Chrysotile asbestos detected.
#6 No trace asbestos detected.
#7 Organic fibres detected.
#8 120x25x10
#9 170x95x3
#10 70x55x10
#11 Nil
#12 –

Table B Groundwater Analytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN					
	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.001	0.001	0.001	0.001	0.002	0.003
ADWG (2011) Aesthetic - Updated March-2021				1				3														0.025	0.003	0.02	0.02	0.02
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 2008)													0.09					0.09		0.09						
ADWG (2011) Health - Updated March-2021	0.01	0.002	0.05	2	0.01	0.001	0.02														0.001	0.8	0.3	0.6	0.6	0.6
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1	0.02	0.5	20	0.1	0.01	0.2														0.01	8	3	6	6	6
ANZG (2018) Freshwater 95% toxicant DGVs	0.013	0.0002	0.001	0.0014	0.0034	0.0006	0.011	0.008													0.95	0.18	0.08	0.35	0.075	
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Clay																										
4-8m																			NL	NL	NL5	NL	NL			NL
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																										
4-8m																			1	1	0.9	NL	NL			NL

Field_ID	Location_Code	Well	Sampled_Date_Time																								
GW02	GW02	GW02	19/10/2022	<0.001	<0.0002	<0.001	0.002	<0.001	<0.0001	0.002	<0.005	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003

Table B Groundwater Analytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

				PAH														
				Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Aesthetic - Updated March-2021																				
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinki																				
ADWG (2011) Health - Updated March-2021								0.00001												
ADWG (2011) Health x 10 (Recreational) - Updated March-2021								0.0001												
ANZG (2018) Freshwater 95% toxicant DGVs						0.0004		0.0002						0.0014			0.016	0.002		
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Clay																				
4-8m																	NL			
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																				
4-8m																	NL			
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																	
GW02	GW02	GW02	19/10/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table B Groundwater Analytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

	Chlorinated Alkanes																Chlorinated Alkenes									
	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005
ADWG (2011) Aesthetic - Updated March-2021																										
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinki																										
ADWG (2011) Health - Updated March-2021							0.003				0.003				0.004		0.03					0.05				0.0003
ADWG (2011) Health x 10 (Recreational) - Updated March-2021							0.03				0.03				0.04		0.3					0.5				0.003
ANZG (2018) Freshwater 95% toxicant DGVs		0.27	0.4	6.5			1.9	0.9	1.1		0.24				4		0.7					0.07			0.33	0.1
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Clay																										
4-8m																										
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																										
4-8m																										
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																								
GW02	GW02	GW02	19/10/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005

Table B Groundwater Analytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

	Solvents	MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				
	Acetone	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.005	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001
ADWG (2011) Aesthetic - Updated March-2021				0.004										0.001	0.02	0.0003	0.01					
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinki																						
ADWG (2011) Health - Updated March-2021	14	0.056*	0.59*	0.03			0.45*	0.001	0.001					1.5		0.04	0.3					0.81*
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	140			0.3				0.01	0.01					15		0.4	3					
ANZG (2018) Freshwater 95% toxicant DGVs							0.03							0.16	0.26	0.06	0.055		0.77			
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Clay																						
4-8m																						
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																						
4-8m																						

Field_ID	Location_Code	Well	Sampled_Date_Time																				
GW02	GW02	GW02	19/10/2022	<0.005	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001

Table B Groundwater Analytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

	Major Cations				Major Anions					Ionic Balance			Other
	Calcium	Potassium	Magnesium	Sodium	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (Bicarbonate as CaCO3)	Chloride	Sulphate	Alkalinity (total) as CaCO3	Electrical Conductivity (Lab)	pH (Lab)	Turbidity
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	pH Units	-
EQL	0.5	0.5	0.5	0.5	10	20	20	1	2	20	10	0.1	1
ADWG (2011) Aesthetic - Updated March-2021				180				250	250			6.5-8.5	5
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinki													
ADWG (2011) Health - Updated March-2021									500			6.5-	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021									5000				
ANZG (2018) Freshwater 95% toxicant DGVs													
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Clay													
4-8m													
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand													
4-8m													

Field_ID	Location_Code	Well	Sampled_Date_Time											
GW02	GW02	GW02	19/10/2022	120	26	150	670	<10	<20	1900	790	170	1900	4200	7.8	7600

Table C Surface Water Anaytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

	Heavy Metals								TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN					
	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (III+VI) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1	0.02	0.05	0.001	0.001	0.001	0.001	0.002	0.003
ADWG (2011) Aesthetic - Updated March-2021				1				3														0.025	0.003	0.02	0.02	0.02
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 2008)													0.09					0.09		0.09						
ADWG (2011) Health - Updated March-2021	0.01	0.002	0.05	2	0.01	0.001	0.02														0.001	0.8	0.3	0.6	0.6	0.6
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1	0.02	0.5	20	0.1	0.01	0.2														0.01	8	3	6	6	6
ANZECC 2000 Irrigation Short Term Trigger Values	2	0.05	1	5	5	0.002	2	5																		
ANZG (2018) Freshwater 95% toxicant DGVs	0.013	0.0002	0.001	0.0014	0.0034	0.0006	0.011	0.008													0.95	0.18	0.08	0.35	0.075	

Field_ID	Location_Code	Well	Sampled_Date_Time																								
SW03	SW03	SW03	20/09/2022	<0.001	<0.0002	<0.001	0.005	<0.001	<0.0001	0.007	<0.005	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003
SW04	SW04	SW04	20/09/2022	<0.001	<0.0002	<0.001	0.003	<0.001	<0.0001	0.003	0.025	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003
SW05	SW05	SW05	20/09/2022	0.001	0.0003	0.005	0.018	<0.001	<0.0001	0.007	2.4	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003

Table C Surface Water Anaytical Results

Project Number: 67774

Project Name: Proposed Tallawong High School DSI

										PAH									
										Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
										mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL										0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Aesthetic - Updated March-2021																			
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 20																			
ADWG (2011) Health - Updated March-2021														0.00001					
ADWG (2011) Health x 10 (Recreational) - Updated March-2021														0.0001					
ANZECC 2000 Irrigation Short Term Trigger Values																			
ANZG (2018) Freshwater 95% toxicant DGVs												0.0004		0.0002					
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																
SW03	SW03	SW03	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SW04	SW04	SW04	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SW05	SW05	SW05	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

										PAH									
										Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)			
										mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
EQL										0.001	0.001	0.001	0.001	0.001	0.001	0.001			
ADWG (2011) Aesthetic - Updated March-2021																			
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 20																			
ADWG (2011) Health - Updated March-2021																			
ADWG (2011) Health x 10 (Recreational) - Updated March-2021																			
ANZECC 2000 Irrigation Short Term Trigger Values																			
ANZG (2018) Freshwater 95% toxicant DGVs										0.0014			0.016	0.002					
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**																
SW03	SW03	SW03	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
SW04	SW04	SW04	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
SW05	SW05	SW05	20/09/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			

Table C Surface Water Anaytical Results
Project Number: 67774
Project Name: Proposed Tallawong High School DSI

				Non-Metallic Inorganics					Major Cations		Ionic Balance			Inorganics		Other
				Ammonia as N	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Kjeldahl Nitrogen Total	Calcium	Magnesium	Electrical Conductivity (Lab)	Hardness as CaCO3	pH (Lab)	Nitrite + Nitrate as N	Phosphate (as P)	Turbidity
				mg/L	MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	mg/L	pH Units	mg/L	mg/L	-
EQL				0.01	0.02	0.02	0.2	0.2	0.5	0.5	10	5	0.1	0.05	0.01	1
ADWG (2011) Aesthetic - Updated March-2021				0.11								200	6.5-8.5			5
ADWG (2011) Health - Petroleum Products (Adopted from WHO Drinking Water 20																
ADWG (2011) Health - Updated March-2021					11.29	0.91							6.5-			
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					112.9	9.1										
ANZECC 2000 Irrigation Short Term Trigger Values																
ANZG (2018) Freshwater 95% toxicant DGVs				0.9	2.4											
Field_ID	**Location_Code**	**Well**	**Sampled_Date_Time**													
SW03	SW03	SW03	20/09/2022	0.21	<0.02	<0.02	1.2	1.2	32	19	350	170	7	<0.05	0.09	17
SW04	SW04	SW04	20/09/2022	<0.01	<0.02	<0.02	0.6	0.6	51	23	430	190	7.9	<0.05	0.02	7.5
SW05	SW05	SW05	20/09/2022	0.31	0.85	0.04	3.19	2.3	720	44	2400	2100	7.6	0.89	0.02	22

Appendix B Photographic Log

©JBS&G Australia Pty Ltd

PHOTOGRAPH 1 – NORTHEAST CORNER OF SITE – FACING SOUTH

PHOTOGRAPH 2 – NORTHEAST CORNER OF SITE – FACING WEST

PHOTOGRAPH 3 – SURFACE WATER WITH SHEEN – NORTHWEST PORTION OF SITE

PHOTOGRAPH 4 – VEGETATED STOCKPILE IN NORTHEAST PORTION OF SITE (SP02 AND SP03)

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date: 25/9/2024
Drawn By: JDM	Checked By: JDM

Not to Scale

Coord. Sys n/a

Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 5 – VEGETATED STOCKPILE IN NORTHERN PORTION OF SITE (SP01)

PHOTOGRAPH 6 –VEGETATED STOCKPILE IN THE NORTHERN PORTION OF SITE – FACING SOUTHEAST (SP01)

PHOTOGRAPH 7 –VEGETATED STOCKPILE IN THE CENTRAL EASTERN PORTION OF SITE – FACING NORTHEAST (SP04)

PHOTOGRAPH 8 – DEMOLITION WASTE IN THE CENTRAL EASTERN PORTION OF SITE – FACING EAST

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date: 25/9/2024
Drawn By: MN	Checked By: JDM

Not to Scale

Coord. Sys n/a

Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 9 – CORRODED TANK IN THE CENTRAL EASTERN PORTION OF SITE – FACING EAST

PHOTOGRAPH 10 – FORMER RESIDENCE IN THE CENTRAL EASTERN PORTION OF SITE – FACING SOUTHEAST

PHOTOGRAPH 11 – PADDOCK IN THE CENTRAL EASTERN PORTION OF SITE – FACING SOUTHEAST

PHOTOGRAPH 12 – FORMER MARKET GARDEN IN THE CENTRAL WESTERN PORTION OF SITE – FACING WEST

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: R01 Rev A	Date: 25/9/2024
Drawn By: MN	Checked By: JDM
Not to Scale	
Coord. Sys n/a	

Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 13 – TYRES IN THE NORTH PORTION OF SITE – FACING EAST

PHOTOGRAPH 14 – CORRODED DRUMS IN THE CENTRAL EASTERN PORTION OF SITE – FACING NORTHEAST

PHOTOGRAPH 15 – CONCRETE CONDUIT IN THE CENTRAL EASTERN PORTION OF SITE

PHOTOGRAPH 16 – EASTERN TRIBUTARY TO FIRST PONDS CREEK IN SOUTHERN PORTION OF SITE – FACING EAST

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A	Date: 25/9/2024
Drawn By: MN	Checked By: JDM

Not to Scale

Coord. Sys n/a

Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 17 – EASTERN TRIBUTARY CREEK DRAINAGE LINE IN NORTHERN PORTION OF SITE – FACING NORTH

PHOTOGRAPH 18 – SITE ACCESS FROM NIRMAL STREET – FACING EAST (19/9/2024)

PHOTOGRAPH 19 – SMALL STOCKPILE ADJACENT DAM – FACING EAST (SP05)

PHOTOGRAPH 20 – EASTERN TRIBUTARY DAM IN THE SOUTHERN PORTION OF SITE – FACING SOUTH

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: R01 Rev A	Date: 25/9/2024
Drawn By: MN	Checked By: JDM
Not to Scale	
Coord. Sys n/a	

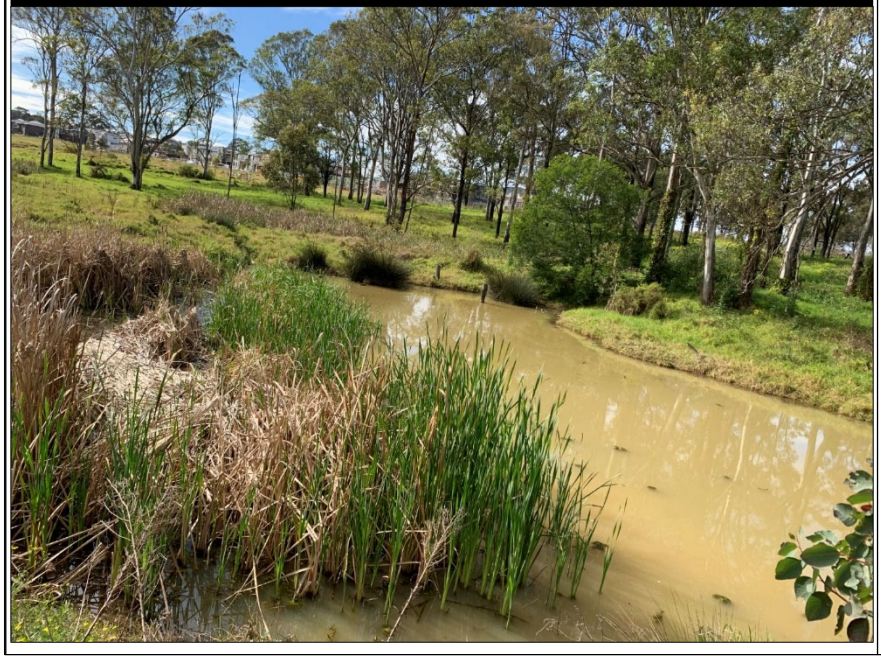
Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 21 – TEST PIT 216

PHOTOGRAPH 22 – TEST PIT 151

PHOTOGRAPH 23 – EASTERN TRIBUTARY DAM IN SOUTHERN PORTION OF SITE – FACING EAST



PHOTOGRAPH 24 – EASTERN TRIBUTARY DAM IN SOUTHERN PORTION OF SITE – FACING EAST

JBS&G

Job No: 67774

Client: School Infrastructure

Version: R01 Rev A | Date: 25/9/2024

Drawn By: MN | Checked By: JDM

Not to Scale

Coord. Sys n/a

Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

PHOTOGRAPH 25 – FLY TIPPED ACM SHEETING (19/9/2024)

PHOTOGRAPH 26 – FLY TIPPED SOIL SOIL WITH BUILDING AND DEMOLITION WASTE (19/9/2024)

PHOTOGRAPH 27 – FLY TIPPED STOCKPILE OF GRAVEL/PEBBLES (19/9/2024)

PHOTOGRAPH 28 – FLY TIPPED STOCKPILE OF SILTY TOPSOIL (19/9/2024)

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: R01 Rev A	Date: 25/9/2024
Drawn By: MN	Checked By: JDM
Not to Scale	
Coord. Sys n/a	

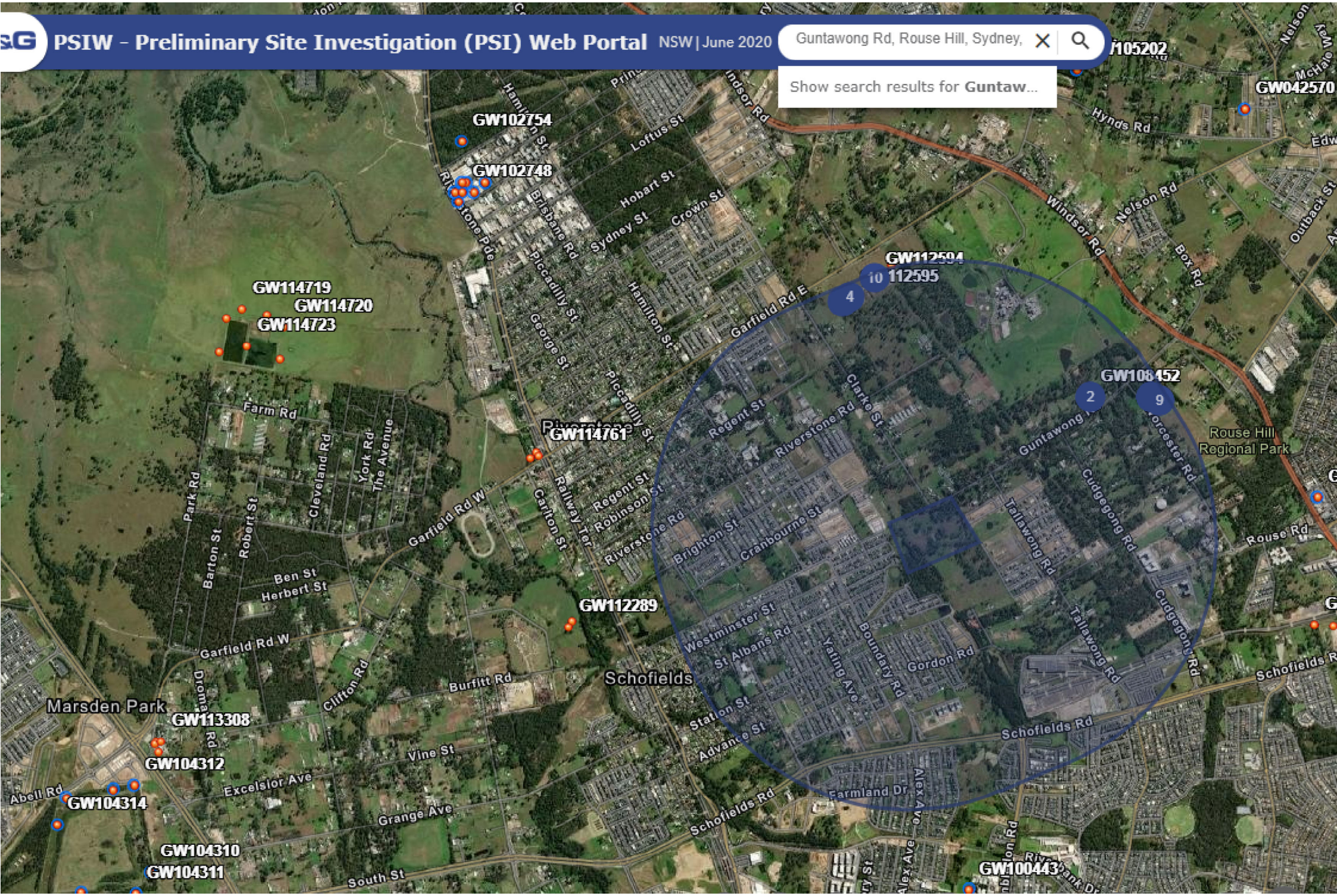
Part 201 Guntawong Road, Tallawong NSW

APPENDIX B

Appendix C Groundwater Bore Records

©JBS&G Australia Pty Ltd

FID	OBJECTID	ZONE_	EASTING	NORTHING	LATITUDE	LONGITUDE	DEPTHCOMPL	DEPTHDRILL	LICENSEID	HOLDERSURN	Water_NSW_	DISTANCE
176854	175345	56	305320	6271757	-33.6762861	150.8999989	60	60	10WA109148	DOMESTIC | STOCK	GW108452	1374.03 Meters (approximate)
176853	175344	56	305320	6271757	-33.6762861	150.8999989	60	60	10BL601070	DOMESTIC | STOCK	GW108452	1374.03 Meters (approximate)
174055	174531	56	305732	6271763	-33.67630642	150.9044413	240	240	10BL165458	TEST BORE	GW107940	1673.01 Meters (approximate)
174056	174532	56	305732	6271763	-33.67630642	150.9044413	240	240	10WA109471	INDUSTRIAL	GW107940	1673.01 Meters (approximate)
174054	174530	56	305732	6271763	-33.67630642	150.9044413	240	240	10BL165834	INDUSTRIAL	GW107940	1673.01 Meters (approximate)
146258	145734	56	305788	6271745	-33.67648047	150.9050465	7	7	10BL118281	STOCK	GW054878	1706.03 Meters (approximate)
146259	145735	56	305788	6271745	-33.67648047	150.9050465	7	7	10WA108185	STOCK	GW054878	1706.03 Meters (approximate)
182478	180478	56	303651	6272358	-33.6705611	150.8821388	4	4	10BL605386	MONITORING BORE	GW112596	1829.63 Meters (approximate)
182477	180477	56	303700	6272392	-33.6702638	150.8826749	4	4	10BL605386	MONITORING BORE	GW112595	1840.25 Meters (approximate)
182476	180476	56	303864	6272519	-33.6691499	150.8844694	4	4	10BL605386	MONITORING BORE	GW112594	1901.74 Meters (approximate)
182475	180475	56	303974	6272614	-33.6683138	150.8856777	4	4	10BL605386	MONITORING BORE	GW112593	1963.79 Meters (approximate)


PSIW - Preliminary Site Investigation (PSI) Web Portal
NSW | June 2020
Guntawong Rd, Rouse Hill, Sydney,
Show search results for Guntaw...
GW102754
GW102748
GW114719
GW114720
GW114723
GW112594
GW112595
GW108452
GW114761
GW112289
GW113308
GW104312
GW104314
GW104310
GW104311
GW100443
GW042570
Riverstone
Schofields
Marsden Park
Rouse Hill Regional Park
Garfield Rd E
Garfield Rd W
Riverstone Rd
Schofields Rd
Windsor Rd
Nelson Rd
Hynds Rd
Box Rd
Hobart St
Sydney St
Crown St
Loftus St
Brisbane Rd
Piccadilly St
George St
Hamilton St
Regent St
Clarke St
Guntawong Rd
Worcester Rd
Cudgegong Rd
Tallawong Rd
Rouse Rd
Brighton St
Cranbourne St
Westminster St
St Albans Rd
Yating Ave
Boundary Rd
Gordon Rd
Station St
Advance St
Farmland Dr
Alex Ave
Farm Rd
Cleveland Rd
York Rd
The Avenue
Park Rd
Barton St
Robert St
Ben St
Herbert St
Carlton St
Railway Ter
Robinson St
Burfitt Rd
Clifton Rd
Vine St
Excelsior Ave
Grange Ave
South St
Abell Rd
Schofields Rd
4
10
2
9

WaterNSW
Work Summary

GW054878

Licence:
Licence Status:

Authorised Purpose(s):
Intended Purpose(s): STOCK

Work Type: Well
Work Status: Supply Obtained
Construct.Method: Hand Dug
Owner Type: Private

Commenced Date:
Completion Date: 01/11/1981
Final Depth: 7.00 m
Drilled Depth: 7.00 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m):
Salinity Description: Stock
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	L11 DP567606 (6)
Licensed:			

Region: 10 - Sydney South Coast
River Basin: 212 - HAWKESBURY RIVER
Area/District:
CMA Map: 9030-1S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: (Unknown)
Northing: 6271745.000
Easting: 305788.000
Latitude: 33°40'35.3"S
Longitude: 150°54'18.2"E

GS Map: -
MGA Zone: 56
Coordinate Source: GD.,ACC.MAP

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing		0.00	0.00	1524			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	7.01	7.01	Soil Nominal	Soil	
0.00	7.01	7.01	Clay Nominal	Clay	
0.00	7.01	7.01	Shale Nominal	Shale	

***** End of GW054878 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW107940

Licence: | **Licence Status:**

Authorised Purpose(s):
Intended Purpose(s): INDUSTRIAL

Work Type: Bore
Work Status:
Construct.Method: Rotary
Owner Type:

Commenced Date: | **Final Depth:** 240.00 m
Completion Date: 22/08/2005 | **Drilled Depth:** 240.00 m

Contractor Name: Ultra Drilling
Driller: Peter Edward Davidson
Assistant Driller:

Property: | **Standing Water Level (m):**
GWMA: | **Salinity Description:**
GW Zone: | **Yield (L/s):** 1.100

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	11 567606
Licensed:			

Region: 10 - Sydney South Coast | **CMA Map:**
River Basin: - Unknown | **Grid Zone:** | **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) | **Northing:** 6271763.000 | **Latitude:** 33°40'34.7"S
Elevation Source: Unknown | **Easting:** 305732.000 | **Longitude:** 150°54'16.0"E

GS Map: - | **MGA Zone:** 56 | **Coordinate Source:** Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	18.00	241			Down Hole Hammer
1		Hole	Hole	18.00	42.00	171			Down Hole Hammer
1		Hole	Hole	42.00	240.00	146			Down Hole Hammer
1	1	Casing	Pvc Class 9	0.30	18.00	175			Driven into Hole, Glued

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
72.00	78.00	6.00	Unknown		80.00	0.15	80.00		7100.00
108.00	109.00	1.00	Unknown		110.00	0.45	110.00		6400.00
204.00	205.00	1.00	Unknown		206.00	0.85	206.00		5500.00
216.00	217.00	1.00	Unknown			1.10	240.00	01:00:00	4500.00

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	2.00	2.00	FILL	Fill	
2.00	5.00	3.00	BROWN SHALE	Invalid Code	
5.00	39.00	34.00	SHALE	Shale	
39.00	92.00	53.00	SANDSTONE	Sandstone	
92.00	105.00	13.00	SANDSTONE,SHALE	Sandstone	
105.00	106.00	1.00	SHALE	Shale	
106.00	146.00	40.00	SANDSTONE, SHALE	Sandstone	
146.00	148.00	2.00	SHALE	Shale	
148.00	154.00	6.00	SANDSTONE, SHALE	Sandstone	
154.00	170.00	16.00	SANDSTONE	Sandstone	
170.00	180.00	10.00	SANDSTONE, SHALE	Sandstone	
180.00	184.00	4.00	SANDSTONE, QUARTZ	Sandstone	
184.00	190.00	6.00	SANDSTONE, SHALE	Sandstone	
190.00	194.00	4.00	SANDSTONE, QUARTZ	Sandstone	
194.00	198.00	4.00	SANDSTONE, SHALE,QUARTZ	Sandstone	
198.00	206.00	8.00	SANDSTONE, SHALE	Sandstone	
206.00	232.00	26.00	SANDSTONE, QUARTZ	Sandstone	
232.00	239.00	7.00	SANDSTONE	Sandstone	
239.00	240.00	1.00	SHALE	Shale	

Remarks

19/03/2007: Previous Lic No: 165458

***** End of GW107940 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW108452

Licence: 10WA109148
Licence Status: CURRENT

Authorised Purpose(s): STOCK,DOMESTIC
Intended Purpose(s): STOCK, DOMESTIC

Work Type: Bore
Work Status: Filled,Backfilled
Construct.Method: Down Hole Hamm
Owner Type: Private

Commenced Date:
Completion Date: 08/01/2007
Final Depth: 60.00 m
Drilled Depth: 60.00 m

Contractor Name: INTERTEC DRILLING SERVICES
Driller: William Crump
Assistant Driller:

Property: FALCONE 68 Guntawong Rd ROUSE HILL 2155 NSW
GWMA: -
GW Zone: -
Standing Water Level (m): 12.000
Salinity Description:
Yield (L/s): 2.300

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	157//208203
Licensed:	CUMBERLAND	GIDLEY	Whole Lot 157//208203

Region: 10 - Sydney South Coast
River Basin: 212 - HAWKESBURY RIVER
Area/District:
CMA Map: 9030-1S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6271757.000
Easting: 305320.000
Latitude: 33°40'34.6"S
Longitude: 150°53'60.0"E

GS Map: -
MGA Zone: 56
Coordinate Source: GIS - Geogra

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	2.50	204			(Unknown)
1		Hole	Hole	2.50	60.00	163			Down Hole Hammer
1		Backfill	Drilled Cutting	0.00	2.50	204			
1		Backfill	Drilled Cutting	2.50	60.00	163			

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
46.00	46.50	0.50	Unknown			0.35		00:25:00	
52.10	52.20	0.10	Unknown	12.00		1.35		00:25:00	
56.00	56.30	0.30	Unknown			0.60		00:25:00	

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	2.00	2.00	Clay	Clay	
2.00	34.00	32.00	Shale	Shale	
34.00	36.50	2.50	Sandstone, with Shale	Sandstone	
36.50	46.00	9.50	Sandstone, light grey	Sandstone	
46.00	46.50	0.50	Sandstone & Quartz	Sandstone	
46.50	52.10	5.60	Sandstone, grey	Sandstone	
52.10	52.20	0.10	Sandstone, fractured	Sandstone	
52.20	56.00	3.80	Sandstone, grey	Sandstone	
56.00	56.30	0.30	Sandstone, soft	Sandstone	
56.30	60.00	3.70	Sandstone, grey	Sandstone	

Remarks

24/02/2010: updated from original form A

***** End of GW108452 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW112593

Licence:
Licence Status:

Authorised Purpose(s):
Intended Purpose(s): MONITORING BORE

Work Type: Bore
Work Status: Equipped
Construct.Method: Auger - Solid
Owner Type: Private

Commenced Date:
Completion Date: 05/11/2012
Final Depth: 4.00 m
Drilled Depth: 4.00 m

Contractor Name: EPOCA ENVIRONMENTAL
Driller: Daniel Giles Fox
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m): 2.908
Salinity Description:
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	1//523552
Licensed:			

Region: 10 - Sydney South Coast
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6272614.000
Easting: 303974.000
Latitude: 33°40'05.9"S
Longitude: 150°53'08.4"E

GS Map: -
MGA Zone: 56
Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.00	100			Auger - Solid Flight
1		Annulus	Bentonite/Grout	0.10	0.50				
1		Annulus	Waterworn/Rounded	0.50	4.00				Graded
1	1	Casing	Pvc Class 18	0.00	1.00	63	50		Seated on Bottom, Screwed
1	1	Opening	Slots - Horizontal	1.00	4.00	63		0	Casing - Machine Slotted, PVC Class 18, Screwed, SL: 40.0mm, A: 0.40mm

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.10	0.10	LOAMY CLAY,BROWN,FRIABLE	Clay	
0.10	0.30	0.20	FILL,GRAVELLY CLAY	Fill	
0.30	2.40	2.10	FILL,GRAVELLY CLAY WET	Fill	
2.40	2.60	0.20	CLAY RED/BROWN,STIFF,M/PLASTICITY	Clay	
2.60	4.00	1.40	CLAY DRY,FRIABLE	Clay	

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, updated work type & fixed drill log errors.

***** End of GW112593 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW112594

Licence:
Licence Status:

Authorised Purpose(s):
Intended Purpose(s): MONITORING BORE

Work Type: Bore
Work Status: Equipped
Construct.Method: Auger - Solid
Owner Type: Private

Commenced Date:
Completion Date: 05/11/2012
Final Depth: 4.00 m
Drilled Depth: 4.00 m

Contractor Name: EPOCA ENVIRONMENTAL
Driller: Daniel Giles Fox
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m): 2.782
Salinity Description:
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	1//523552
Licensed:			

Region: 10 - Sydney South Coast
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6272519.000
Easting: 303864.000
Latitude: 33°40'08.9"S
Longitude: 150°53'04.1"E

GS Map: -
MGA Zone: 56
Coordinate Source: Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.00	100			Auger - Solid Flight
1		Annulus	(Unknown)	0.50	4.00	100	63		Graded
1	1	Opening	Slots	1.00	4.00	63	50	0	Casing - Machine Slotted, PVC Class 18, Screwed, SL: 40.0mm, A: 0.50mm
1	1	Casing	Pvc Class 18	1.00	5.00	63	50		Seated on Bottom

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
0.00	0.00	0.00	Unknown	2.78					2820.00

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.10	0.10	CLAY LOAMY,BROWN,FRIABLE	Clay	
0.10	0.20	0.10	CLAY, BROWN SOFT	Clay	
0.20	3.10	2.90	CLAY WET	Clay	
3.10	4.00	0.90	CLAY,DRY,HARD,FRIABLE	Clay	

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, drill method & fixed drill log errors.

***** End of GW112594 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW112595

Licence: | **Licence Status:**

Authorised Purpose(s):
Intended Purpose(s): MONITORING BORE

Work Type: Bore
Work Status: Equipped
Construct.Method: Auger - Solid
Owner Type: Private

Commenced Date: | **Final Depth:** 4.00 m
Completion Date: 05/11/2012 | **Drilled Depth:** 4.00 m

Contractor Name: EPOCA ENVIRONMENTAL
Driller: Daniel Giles Fox
Assistant Driller:

Property: | **Standing Water Level (m):** 2.345
GWMA: | **Salinity Description:**
GW Zone: | **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	1//523552
Licensed:			

Region: 10 - Sydney South Coast | **CMA Map:**
River Basin: - Unknown | **Grid Zone:** | **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) | **Northing:** 6272392.000 | **Latitude:** 33°40'12.9"S
Elevation Source: Unknown | **Easting:** 303700.000 | **Longitude:** 150°52'57.6"E

GS Map: - | **MGA Zone:** 56 | **Coordinate Source:** Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.00	100			Auger - Solid Flight
1		Annulus	Bentonite/Grout	0.10	0.50				
1		Annulus	Waterworn/Rounded	0.50	4.00				Graded
1	1	Casing	Pvc Class 18	0.00	1.00	63	50		Seated on Bottom, Screwed
1	1	Opening	Slots - Horizontal	1.00	4.00	63		0	Casing - Machine Slotted, PVC Class 18, Screwed, SL: 40.0mm, A: 0.40mm

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.80	0.80	CLAY LOAMY BROWN,FRIABLE	Clay	
0.80	1.30	0.50	FILL,GRAVELLY CLAY,GREY/BROWN,SOFT	Fill	
1.30	1.40	0.10	CLAY RED/BROWN,STIFF,M/PLASTICITY	Clay	
1.40	3.40	2.00	CLAY,DRY,FRIABLE PALER IN COLOUR	Clay	

3.40	4.00	0.60	SHALE, PALE BROWN	Shale	

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, updated work type & fixed drill log errors.

***** End of GW112595 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

WaterNSW
Work Summary

GW112596

Licence: | **Licence Status:**

Authorised Purpose(s):
Intended Purpose(s): MONITORING BORE

Work Type: Bore
Work Status: Equipped
Construct.Method: Auger - Solid
Owner Type: Private

Commenced Date: | **Final Depth:** 4.00 m
Completion Date: 05/11/2012 | **Drilled Depth:** 4.00 m

Contractor Name: EPOCA ENVIRONMENTAL
Driller: Daniel Giles Fox
Assistant Driller:

Property: | **Standing Water Level (m):** 2.320
GWMA: | **Salinity Description:**
GW Zone: | **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	CUMBERLAND	GIDLEY	1//523552
Licensed:			

Region: 10 - Sydney South Coast | **CMA Map:**
River Basin: - Unknown | **Grid Zone:** | **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) | **Northing:** 6272358.000 | **Latitude:** 33°40'14.0"S
Elevation Source: Unknown | **Easting:** 303651.000 | **Longitude:** 150°52'55.7"E

GS Map: - | **MGA Zone:** 56 | **Coordinate Source:** Unknown

Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1		Hole	Hole	0.00	4.00	100			Auger - Solid Flight
1		Annulus	Bentonite/Grout	0.10	0.50				
1		Annulus	Waterworn/Rounded	0.50	4.00				Graded
1	1	Casing	Pvc Class 18	0.00	1.00	63	50		Seated on Bottom, Screwed
1	1	Opening	Slots - Horizontal	1.00	4.00	63		0	Casing - Machine Slotted, PVC Class 18, Screwed, SL: 40.0mm, A: 0.40mm

Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
0.00	0.00	0.00	Unknown	2.32					649.00

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.20	0.20	FILL,GRAVELLY CLAY	Fill	
0.20	0.40	0.20	CLAY,RED/BROWN	Clay	
0.40	2.10	1.70	CLAY,DRY,FRIABLE PALER IN COLOUR	Clay	
2.10	4.00	1.90	SHALE PALE BROWN	Shale	

Remarks

22/07/2014: Nat Carling, 22-July-2014; Added status, updated work type.

***** End of GW112596 *****

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

Appendix D Historical Aerial Photographs

©JBS&G Australia Pty Ltd

Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road,
Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 1947

AERIAL 1947

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 1956

AERIAL 1956

File Name: 67774_GuntawongRdDSIandRAP_Aerials

Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 1961

AERIAL 1961

File Name: 67774_GuntawongRdDSIandRAP_Aerials

Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: Aerials	Date 27/09/2024
Drawn By: TS	Checked By: JDM
Scale 1:5,000	

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road,
Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 1978

AERIAL 1978

File Name: 67774_GuntawongRdDSIandRAP_Aerials

Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 1986

AERIAL 1986

File Name: 67774_GuntawongRdDSIandRAP_Aerials

Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road,
Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2002

AERIAL 2002

File Name: 67774_GuntawongRdDSIandRAP_Aerials

Reference: NSW Government | Copyright © Spatial Services 2024

Legend

Approximate Site Boundary

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM
Scale 1:5,000	

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2010

AERIAL 2010

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: Nearmap - www.nearmap.com (Capture Date: 29/04/2010)

Legend

Approximate Site Boundary

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM
Scale 1:5,000	

0 50 100

metres

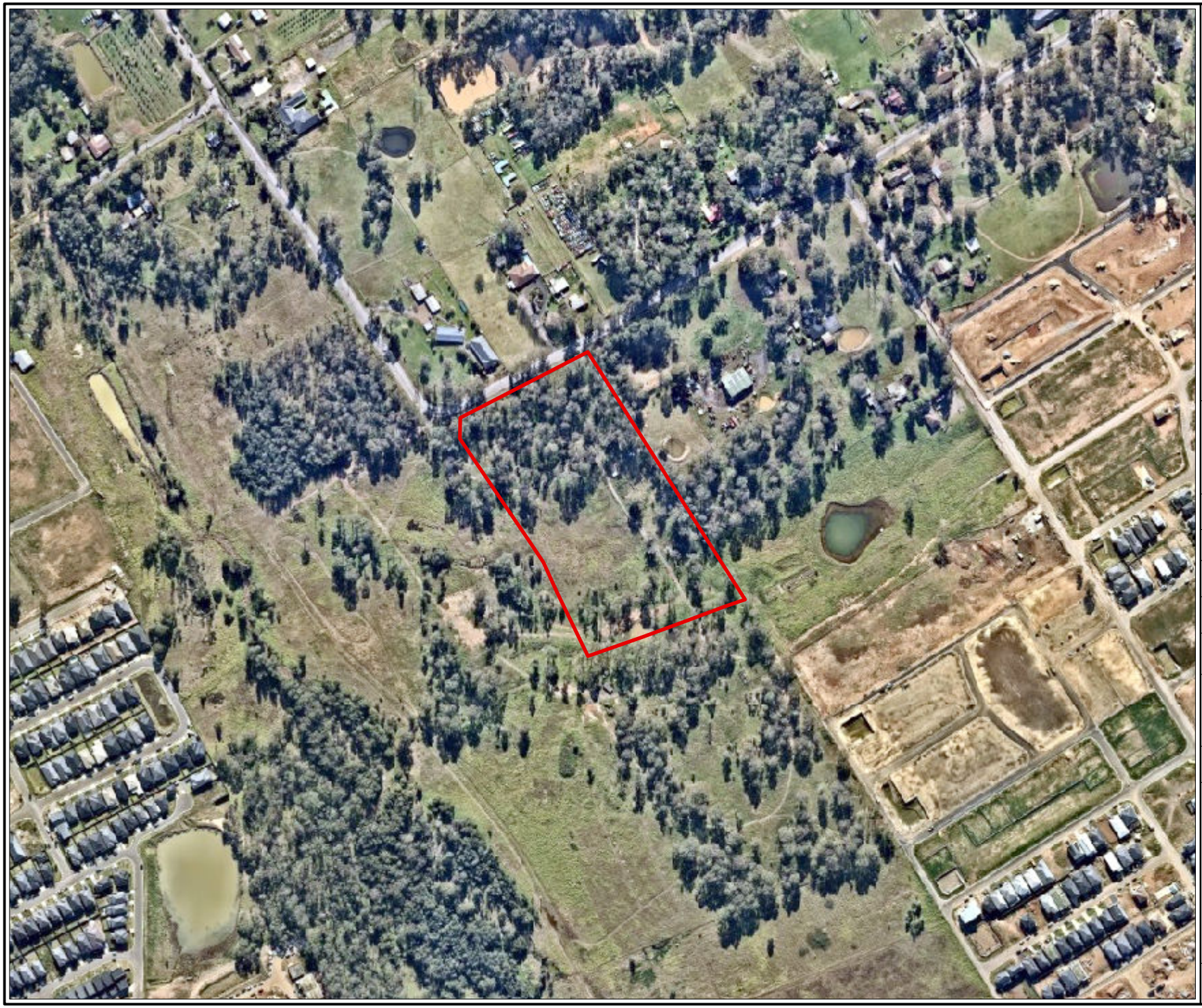
Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2017

AERIAL 2017

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: Nearmap - www.nearmap.com (Capture Date: 07/09/2017)



Legend

Approximate Site Boundary

RGB

Red: Band_1

Green: Band_2

Blue: Band_3

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2020

AERIAL 2020

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: Nearmap - www.nearmap.com (Capture Date: 23/06/2020)

Legend

Approximate Site Boundary

JBS&G

Job No: 67774	
Client: School Infrastructure	
Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM
Scale 1:5,000	

0 50 100

metres

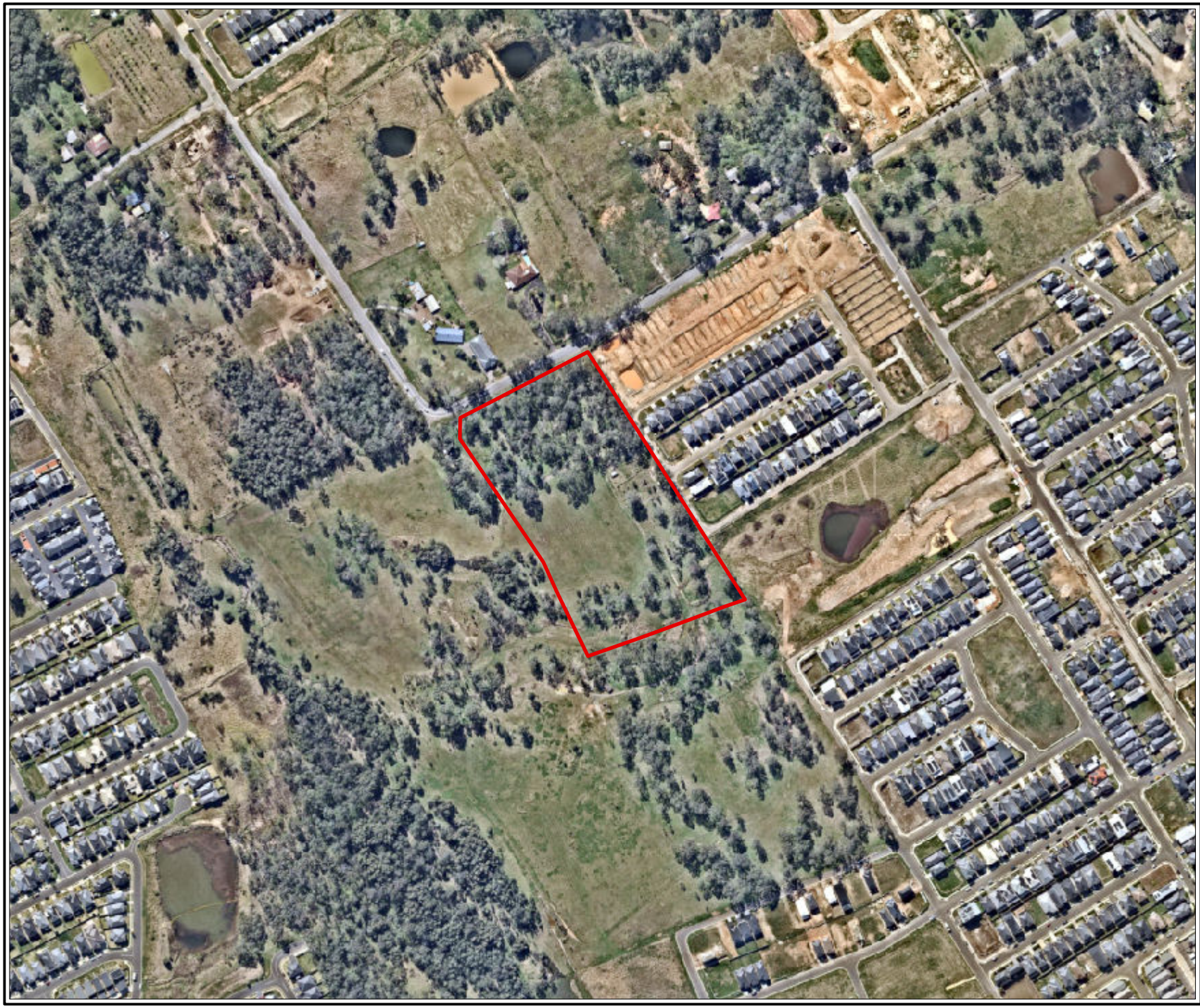
Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2022

AERIAL 2022

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: Nearmap - www.nearmap.com (Capture Date: 04/06/2022)



Legend

Approximate Site Boundary

JBS&G

Job No: 67774

Client: School Infrastructure

Version: Aerials	Date 20/09/2024
Drawn By: TS	Checked By: JDM

Scale 1:5,000

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

201 Guntawong Road, Tallawong, NSW

HISTORICAL AERIAL PHOTOGRAPH - 2024

AERIAL 2024

File Name: 67774_GuntawongRdDSIandRAP_Aerials
Reference: Nearmap - www.nearmap.com (Capture Date: 28/08/2024)

Appendix E EPA Searches

©JBS&G Australia Pty Ltd

Search results

Your search for: **General Search** with the following criteria

Suburb - Schofields

returned 72 results

Export to excel

1 of 4 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1614638		75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	17 Jun 2022
3173523899	CIVIL 1 PTY LTD	Kerry Rd, SCHOFIELDS, NSW 2762	Penalty Notice	Court Elected	
13189	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	POEO licence	Surrendered	20 Nov 2009
1109936	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	15 Dec 2009
1111665	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	25 Feb 2010
1112501	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	29 Mar 2010
1114351	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	21 May 2010
1115926	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	25 Jun 2010
1117189	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	23 Jul 2010
1118044	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	06 Aug 2010
1119331	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	10 Sep 2010
1119420	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	24 Sep 2010
1120663	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	30 Dec 2010
1125652	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	04 Mar 2011
1126438	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	25 Mar 2011
1129524	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	17 Jun 2011
1129835	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	28 Jun 2011
1500430	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	22 Jul 2011
1501506	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	20 Sep 2011
1501867	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	29 Sep 2011

For business and industry

For local government

Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - Schofields

returned 72 results

Export to excel

2 of 4 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1503598	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	13 Jan 2012
1504060	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	06 Feb 2012
1505806	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	01 May 2012
1506892	CPB CONTRACTORS PTY LIMITED	Veron Road, SCHOFIELDS, NSW 2762	s.80 Surrender of a Licence	Issued	26 Jun 2012
1072482	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	22 Jun 2007
1075567	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	31 Aug 2007
1079899	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	15 Nov 2007
1107116	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	26 Mar 2010
1504791	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	12 Mar 2012
3085766860	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	Penalty Notice	Issued	26 Nov 2012
1509962	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	30 Apr 2013
1515968	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	26 Aug 2013
3085775523	CSR BUILDING PRODUCTS LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	Penalty Notice	Issued	24 Nov 2014
1007503	CSR LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	27 Jun 2002
1020181	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	08 Oct 2002
1027880	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	03 Jun 2003
1054185	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	16 Jan 2006
1095234	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	15 Jun 2009
1109839	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	11 Feb 2010
1115441	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	18 Aug 2010

11 August 2022

For business and industry

For local government

Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - Schofields

returned 72 results

Export to excel 3 of 4 Pages Search Again

Number	Name	Location	Type	Status	Issued date
1125213	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	17 Jun 2011
1501544	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	09 Nov 2011
1506051	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	31 Oct 2012
1512613	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	23 Apr 2013
1514601	DRAGA HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	02 Aug 2013
4261	JIMMY BUTTIGIEG	101 HAMBLEDON ROAD, SCHOFIELDS, NSW 2762	POEO licence	Surrendered	03 Nov 1999
1020603	JIMMY BUTTIGIEG	101 HAMBLEDON ROAD, SCHOFIELDS, NSW 2762	s.80 Surrender of a Licence	Issued	16 Sep 2002
2014	PGH BRICKS & PAVERS PTY LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	POEO licence	Issued	13 May 2000
3085778071	PGH BRICKS & PAVERS PTY LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	Penalty Notice	Issued	04 Dec 2015
1538197	PGH BRICKS & PAVERS PTY LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	19 Feb 2016
1542863	PGH BRICKS & PAVERS PTY LIMITED	75 TOWNSON ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	25 Jul 2016
13078	REED CONSTRUCTIONS AUSTRALIA PTY LIMITED	VARIOUS STREETS IN KELLYVILLE AND, SCHOFIELDS, NSW 2762	POEO licence	Surrendered	23 Jun 2009
1129215	REED CONSTRUCTIONS AUSTRALIA PTY LIMITED	VARIOUS STREETS IN KELLYVILLE AND, SCHOFIELDS, NSW 2762	s.80 Surrender of a Licence	Issued	07 Jun 2011
4594	RIVERSTONE EARTHMOVING PTY. LTD.	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	POEO licence	Suspended	25 Jun 2001
1052803	RIVERSTONE EARTHMOVING PTY. LTD.	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	10 Jan 2006
1058461	RIVERSTONE EARTHMOVING PTY. LTD.	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.79 Suspension of a Licence	Issued	20 Apr 2006
1097924	RIVERSTONE EARTHMOVING PTY. LTD.	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.96 Prevention Notice	Issued	21 May 2009
1106745	RIVERSTONE EARTHMOVING PTY. LTD.	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.110 Variation of Prevention Notice	Issued	29 Sep 2009
1112495	RIVERSTONE EARTHMOVING PTY.	127 BURFITT ROAD, SCHOFIELDS, NSW	s.110 Variation of	Issued	24 Mar 2010

For business and industry
For local government
Contact us

	LTD.	2762	Prevention Notice		
1005690	RIVERSTONE WASTE DISPOSAL PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.91 Clean Up Notice	Issued	30 Mar 2001

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

Search results

Your search for: **General Search** with the following criteria

Suburb - Schofields

returned 72 results

Export to excel

4 of 4 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
3173523980	ROBERT ZEAIT	Kerry Rd, SCHOFIELDS, NSW 2762	Penalty Notice	Issued	23 Nov 2017
1549686	Universal Property Group Pty Ltd	104 Burdekin Road, SCHOFIELDS, NSW 2762	s.91 Clean Up Notice	Issued	23 Feb 2017
1014225	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	07 Feb 2002
1015644	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	14 Mar 2002
1018447	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	25 Jun 2002
1033314	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	23 Dec 2003
1040958	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	21 Oct 2004
1042481	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	23 Nov 2004
1045664	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	11 Apr 2005
1048914	VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD	127 BURFITT ROAD, SCHOFIELDS, NSW 2762	s.58 Licence Variation	Issued	19 Jul 2005
4578	VINKO HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	POEO licence	Suspended	28 Jun 2000
1596057	VINKO HLEBAR	NORTH STREET, SCHOFIELDS, NSW 2762	s.79 Suspension of a Licence	Issued	30 Oct 2020

1234

11 August 2022

Search results

Your search for: **General Search** with the following criteria

Suburb - Riverstone

returned 82 results

Export to excel

1 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
6361	A.C.N. 098 953 336 PTY LTD	34 WELLINGTON STREET, RIVERSTONE, NSW 2765	POEO licence	Surrendered	09 Jun 2000
1015255	A.C.N. 098 953 336 PTY LTD	34 WELLINGTON STREET, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	02 May 2002
1017861	A.C.N. 098 953 336 PTY LTD	34 WELLINGTON STREET, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 Aug 2002
1037188	A.C.N. 098 953 336 PTY LTD	34 WELLINGTON STREET, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	20 May 2004
1100	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	POEO licence	Issued	09 Oct 2000
1011896	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	06 May 2002
1020686	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	21 May 2003
1095658	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	12 Dec 2008
1118850	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	02 Sep 2010
1524627	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	13 Oct 2014
1573186	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	15 Feb 2019
1584834	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	31 Jan 2020
1599082	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	Compliance Audit	Complete	21 Aug 2020
1604174	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	20 Jan 2021
3173530288	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	Penalty Notice	Issued	18 May 2021
1613024	A.J. BUSH & SONS (MANUFACTURES) PTY LTD	WINDSOR ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	20 Oct 2021
2550	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	POEO licence	Issued	13 Jun 2000
1027280	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 May 2003
1050914	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	01 Sep 2005
1095910	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 Jan 2009

1 2 3 4 5

For business and industry

For local government

Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - Riverstone

returned 82 results

Export to excel

Search Again

Number	Name	Location	Type	Status	Issued date
1519688	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 Jan 2014
1596507	AUSCOL PTY LTD	148 RIVERSTONE PDE, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	25 Jun 2020
21421	AUSTIP RECYCLING PTY LTD	48-52 EDWARD STREET, RIVERSTONE, NSW 2765	POEO licence	Issued	18 Sep 2020
13102	AUSTRALIAN ECO OILS PTY LIMITED	55 Princes Street, RIVERSTONE, NSW 2765	POEO licence	Issued	12 Jun 2009
1532669	AUSTRALIAN ECO OILS PTY LIMITED	55 Princes Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	04 Aug 2015
1575392	AUSTRALIAN ECO OILS PTY LIMITED	55 Princes Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	05 Jul 2019
1597039	AUSTRALIAN ECO OILS PTY LIMITED	55 Princes Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	13 Oct 2020
1604500	AUSTRALIAN ECO OILS PTY LIMITED	55 Princes Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	17 Feb 2021
4926	AUSTRALIAN WATER TECHNOLOGIES PTY LTD	BANDON ROAD, RIVERSTONE, NSW 2765	POEO licence	Surrendered	24 Jul 2000
1001542	AUSTRALIAN WATER TECHNOLOGIES PTY LTD	BANDON ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	19 Sep 2000
1014390	AUSTRALIAN WATER TECHNOLOGIES PTY LTD	BANDON ROAD, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	18 Jan 2002
1511523	AXALTA COATING SYSTEMS AUSTRALIA PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	16 Apr 2013
1532057	AXALTA COATING SYSTEMS AUSTRALIA PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	01 Sep 2015
10989	BETTER DRUMS PTY LTD	3/11 EDWARD STREET, RIVERSTONE, NSW 2765	POEO licence	Surrendered	15 Nov 2000
1021908	BETTER DRUMS PTY LTD	3/11 EDWARD STREET, RIVERSTONE, NSW 2765	s.91 Clean Up Notice	Issued	01 Nov 2002
1035785	BETTER DRUMS PTY LTD	3/11 EDWARD STREET, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	30 Mar 2004
1664	BLACKTOWN CITY COUNCIL	GARFIELD ROAD EAST, RIVERSTONE, NSW 2765	POEO licence	Surrendered	26 Jun 2000
1010319	BLACKTOWN CITY COUNCIL	GARFIELD ROAD EAST, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	03 Aug 2001
1041409	CONNIE HOLLOWAY	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	20 Oct 2004
1042040	CONNIE HOLLOWAY	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	17 Nov 2004

For business and industry

For local government

Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - Riverstone

returned 82 results

Export to excel

3 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1096075	CONNIE HOLLOWAY	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	21 Jan 2009
1107104	CONNIE HOLLOWAY	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	08 Feb 2010
1522844	CONNIE HOLLOWAY	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	18 Jun 2014
1578031	DAITAHMOR PTY LTD	157 Crown Street, RIVERSTONE, NSW 2765	s.91 Clean Up Notice	Issued	23 May 2019
1582267	DAITAHMOR PTY LTD	157 Crown Street, RIVERSTONE, NSW 2765	s.110 Variation of Clean Up Notice	Issued	03 Oct 2019
1587236	DAITAHMOR PTY LTD	157 Crown Street, RIVERSTONE, NSW 2765	s.110 Variation of Clean Up Notice	Issued	22 Oct 2019
1588790	DAITAHMOR PTY LTD	157 Crown Street, RIVERSTONE, NSW 2765	s.91 Clean Up Notice	Issued	05 Feb 2020
5726	DINGA ENTERPRISES PTY LIMITED	UNIT 4/29-31 HOBART STREET, RIVERSTONE, NSW 2765	POEO licence	Surrendered	15 Aug 2000
1018797	DINGA ENTERPRISES PTY LIMITED	UNIT 4/29-31 HOBART STREET, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	09 Dec 2002
1097582	DINGA ENTERPRISES PTY LIMITED	UNIT 4/29-31 HOBART STREET, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	16 Apr 2009
1093178	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	14 May 2009
1107106	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	11 Feb 2010
1117669	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	13 Sep 2010
1122844	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	16 Feb 2011
1126655	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	06 Apr 2011
1130372	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	11 Jul 2011
1502787	DU PONT (AUSTRALIA) PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	05 Dec 2011
1005172	DU PONT PERFORMANCE COATINGS PTY LIMITED	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	21 Mar 2001
1049736	DU PONT PERFORMANCE COATINGS PTY LIMITED	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	13 Jul 2005
11620	GREENWASTE ONLY PTY LTD	132 BURFITT ROAD, RIVERSTONE, NSW 2765	POEO licence	Issued	14 Mar 2002

For business and industry

For local government

Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - Riverstone

returned 82 results

Export to excel

4 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1534351	GREENWASTE ONLY PTY LTD	132 BURFITT ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	28 Jan 2016
1217	HANSON CONSTRUCTION MATERIALS PTY LTD	LOT 48 MELBOURNE ROAD, RIVERSTONE, NSW 2765	POEO licence	No longer in force	01 May 2000
2701	HYMIX AUSTRALIA PTY LIMITED	55 MELBOURNE ROAD, RIVERSTONE, NSW 2765	POEO licence	No longer in force	21 Mar 2000
1007047	HYMIX AUSTRALIA PTY LIMITED	55 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	09 Jun 2001
1079609	HYMIX AUSTRALIA PTY LIMITED	55 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 Oct 2007
3085767731	J. T. K. HAULAGE PTY LTD	The Avenue, RIVERSTONE, NSW 2765	Penalty Notice	Issued	31 Jan 2013
1032742	J.M.TYRE RECYCLING PTY LTD	81 RIVERSTONE PARADE, RIVERSTONE, NSW 2765	s.55 Licence Refusal	Issued	26 Nov 2003
1575045	MICHAEL RODNEY	97 The Avenue, RIVERSTONE, NSW 2765	s.91 Clean Up Notice	Issued	19 Aug 2019
6070	OMEGA INDUSTRIES PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	POEO licence	Issued	11 May 2000
1571770	OMEGA INDUSTRIES PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	01 Nov 2018
1585675	OMEGA INDUSTRIES PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	06 Nov 2019
1613590	OMEGA INDUSTRIES PTY LTD	13 MELBOURNE ROAD, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	07 Jun 2022
5625	ROADMASTER HAULAGE PTY LTD	81 RIVERSTONE PARADE, RIVERSTONE, NSW 2765	POEO licence	Surrendered	23 Oct 2000
1018796	ROADMASTER HAULAGE PTY LTD	81 RIVERSTONE PARADE, RIVERSTONE, NSW 2765	s.80 Surrender of a Licence	Issued	03 Jul 2002
11949	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	POEO licence	Issued	23 Jun 2004
1072596	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	15 May 2007
1093498	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	30 Dec 2008
1096756	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	16 Jan 2009

For business and industry

For local government

Contact us

1108622	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Issued Variation	15 Jan 2010
1532886	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Issued Variation	12 Aug 2015

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

Search results

Your search for: **General Search** with the following criteria

Suburb - Riverstone

returned 82 results

Export to excel

5 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1604475	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	s.58 Licence Variation	Issued	16 Feb 2021
1609930	SYDNEYWIDE ENVIRONMENTAL SERVICES PTY LTD	40 Edward Street, RIVERSTONE, NSW 2765	Compliance Audit	Complete	22 Jun 2021

1 2 3 4 5

10 August 2022

Search results

Your search for: **General Search** with the following criteria

Suburb - rouse hill

returned 87 results

Export to excel

1 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
5800	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	POEO licence	Surrendered	19 Oct 2000
1022973	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	09 Jan 2003
1030401	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	29 Sep 2003
1066257	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	15 Dec 2006
1118855	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	02 Sep 2010
1525655	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	17 Oct 2014
1590687	BLACKTOWN CITY COUNCIL	SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.80 Surrender of a Licence	Issued	18 Feb 2020
20544	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	POEO licence	Surrendered	19 Dec 2014
1530197	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	24 Apr 2015
1535775	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	19 Nov 2015
1539328	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	31 Mar 2016
1540774	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	19 May 2016
1541653	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	16 Jun 2016
1542894	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Sep 2016
1545890	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	21 Oct 2016
1552908	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road,	s.58 Licence Variation	Issued	07 Jun 2017

For business and industry

For local government

Contact us

		ROUSE HILL, NSW 2155			
1561630	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	09 Feb 2018
1563277	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	06 Apr 2018
1563962	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	26 Apr 2018
1565812	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	13 Jun 2018

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

in (https://au.linkedin.com/company/environment-protection-authority-nsw)

(https://twitter.com/epansw)

Search results

Your search for: **General Search** with the following criteria

Suburb - rouse hill

returned 87 results

Export to excel

Search Again

Number	Name	Location	Type	Status	Issued date
1566813	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	13 Jul 2018
1567101	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	13 Jul 2018
1567355	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	30 Jul 2018
1568689	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Aug 2018
1568861	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Oct 2018
1573687	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	17 Dec 2018
1580318	JOHN HOLLAND PTY LTD	Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW 2155	s.80 Surrender of a Licence	Issued	02 Jul 2019
1557264	JONATHON NEVILLE	282 Annangrove Road, ROUSE HILL, NSW 2155	s.91 Clean Up Notice	Issued	29 Sep 2017
1560868	JONATHON NEVILLE	282 Annangrove Road, ROUSE HILL, NSW 2155	s.110 Variation of Clean Up Notice	Issued	06 Feb 2018
3173525053	JONATHON NEVILLE	282 Annangrove Road, ROUSE HILL, NSW 2155	Penalty Notice	Issued	13 Mar 2018
3173527473	JONATHON NEVILLE	282 Annangrove Road, ROUSE HILL, NSW 2155	Penalty Notice	Issued	05 Mar 2019
1582515	JULIUS GOH	282 Annangrove Road, ROUSE HILL, NSW 2155	s.91 Clean Up Notice	Issued	10 Sep 2019
1589484	JULIUS GOH	282 Annangrove Road, ROUSE HILL, NSW 2155	s.110 Variation of Clean Up Notice	Issued	11 Dec 2019
3504	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	POEO licence	Surrendered	08 Jan 2001
1011445	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	02 Jan 2002
1014691	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	29 Apr 2002
1057759	KNIGHTS SYNDICATE	105 SCHOFIELDS	s.58 Licence	Issued	27 Apr 2006

For business and industry
For local government
Contact us

	PTY LTD	ROAD, ROUSE HILL, NSW 2155	Variation		
1065067	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	24 Oct 2006
1506349	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	02 Aug 2012
1521070	KNIGHTS SYNDICATE PTY LTD	105 SCHOFIELDS ROAD, ROUSE HILL, NSW 2155	s.80 Surrender of a Licence	Issued	12 Nov 2014

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

Search results

Your search for: **General Search** with the following criteria

Suburb - rouse hill

returned 87 results

Export to excel 3 of 5 Pages Search Again

Number	Name	Location	Type	Status	Issued date
21247	METRO TRAINS SYDNEY PTY LTD	SYDNEY METRO, ROUSE HILL, NSW 2155	POEO licence	Issued	26 Apr 2019
1597783	METRO TRAINS SYDNEY PTY LTD	SYDNEY METRO, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	05 Aug 2020
20388	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	POEO licence	Surrendered	08 Jul 2014
1525886	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Oct 2014
1525981	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	05 Nov 2014
1527670	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	08 Jan 2015
1531084	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.91 Clean Up Notice	Issued	01 Jun 2015
1534621	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	12 Oct 2015
1541721	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	28 Jun 2016
1554673	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Jul 2017
1579263	OBRASCON HUARTE LAIN S.A	Schofields Road East, ROUSE HILL, NSW 2155	s.80 Surrender of a Licence	Issued	24 May 2019
3085773617	OHL Abergeldie Schofields Road Upgrade joint Venture	Schofields Road East, ROUSE HILL, NSW 2155	Penalty Notice	Issued	03 Apr 2014
4965	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	POEO licence	Issued	25 May 2000
1005317	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	22 Oct 2001
1017902	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	26 Jun 2002
1018900	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Dec 2002
1032514	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	21 Nov 2003
1032932	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	19 Mar 2004
1047760	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	30 Jun 2005
1061414	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	29 Jun 2006

10 August 2022

For business and industry
For local government
Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - rouse hill

returned 87 results

Export to excel

4 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1074759	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Jun 2007
1092490	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	03 Nov 2008
1108632	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	14 Jan 2010
1116055	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	02 Jul 2010
1129016	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Jun 2011
1504880	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	28 Jun 2012
1507132	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	04 Jul 2012
1526921	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	16 Mar 2015
1529215	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Mar 2015
1538205	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	19 Feb 2016
1539397	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	14 Apr 2016
1542294	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Jul 2016
1545917	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	21 Oct 2016
1572497	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	30 Nov 2018
1577327	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	25 Mar 2019
3173527648	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	Penalty Notice	Issued	05 Apr 2019
1578568	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	23 Apr 2019
1580210	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	01 Jul 2019
1586324	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	04 Oct 2019
1587678	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	31 Oct 2019

10 August 2022

For business and industry
For local government
Contact us

Search results

Your search for: **General Search** with the following criteria

Suburb - rouse hill

returned 87 results

Export to excel

5 of 5 Pages

Search Again

Number	Name	Location	Type	Status	Issued date
1594013	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	16 Jun 2020
1600237	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	Compliance Audit	Complete	11 Sep 2020
1602265	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	01 Feb 2021
1610129	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	27 Aug 2021
1613253	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	19 Oct 2021
1615267	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	16 Dec 2021
1618988	SYDNEY WATER CORPORATION	MILE END ROAD, ROUSE HILL, NSW 2155	s.58 Licence Variation	Issued	03 Jun 2022

1 2 3 4 5

10 August 2022

Search results

Your search for: **General Search** with the following criteria

Suburb - Tallawong

returned 0 result

Search Again

For business and industry

For local government

Contact us

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

Search results

Your search for:Suburb: RIVERSTONE

Search Again
Refine Search

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... more search tips

More information about particular sites may be available from:

- The POEO public register
- The appropriate planning authority: for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act.

See What's in the record and What's not in the record.

If you want to know whether a specific site has been the subject of notices issued by the EPA under the CLM Act, we suggest that you search by Local Government Area only and carefully review the sites that are listed.
This public record provides information about sites regulated by the EPA under the Contaminated Land Management Act 1997, including sites currently and previously regulated under the Environmentally Hazardous Chemicals Act 1985. Your inquiry using the above search criteria has not matched any record of current or former regulation. You should consider searching again using different criteria. The fact that a site does not appear on the record does not necessarily mean that it is not affected by contamination. The site may have been notified to the EPA but not yet assessed, or contamination may be present but the site is not yet being regulated by the EPA. Further information about particular sites may be available from the appropriate planning authority, for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act. In addition the EPA may be regulating contamination at the site through a licence under the Protection of the Environment Operations Act 1997. You may wish to search the POEO public register.POEO public register

10 August 2022

Search results

Your search for:Suburb: ROUSE HILL

Search Again
Refine Search

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... more search tips

More information about particular sites may be available from:

- The POEO public register
- The appropriate planning authority: for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act.

See What's in the record and What's not in the record.

If you want to know whether a specific site has been the subject of notices issued by the EPA under the CLM Act, we suggest that you search by Local Government Area only and carefully review the sites that are listed.
This public record provides information about sites regulated by the EPA under the Contaminated Land Management Act 1997, including sites currently and previously regulated under the Environmentally Hazardous Chemicals Act 1985. Your inquiry using the above search criteria has not matched any record of current or former regulation. You should consider searching again using different criteria. The fact that a site does not appear on the record does not necessarily mean that it is not affected by contamination. The site may have been notified to the EPA but not yet assessed, or contamination may be present but the site is not yet being regulated by the EPA. Further information about particular sites may be available from the appropriate planning authority, for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act. In addition the EPA may be regulating contamination at the site through a licence under the Protection of the Environment Operations Act 1997. You may wish to search the POEO public register.POEO public register

10 August 2022

Search results

Your search for:Suburb: SCHOFIELDS

Search Again
Refine Search

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... more search tips

More information about particular sites may be available from:

- The POEO public register
- The appropriate planning authority: for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act.

See What's in the record and What's not in the record.

If you want to know whether a specific site has been the subject of notices issued by the EPA under the CLM Act, we suggest that you search by Local Government Area only and carefully review the sites that are listed.
This public record provides information about sites regulated by the EPA under the Contaminated Land Management Act 1997, including sites currently and previously regulated under the Environmentally Hazardous Chemicals Act 1985. Your inquiry using the above search criteria has not matched any record of current or former regulation. You should consider searching again using different criteria. The fact that a site does not appear on the record does not necessarily mean that it is not affected by contamination. The site may have been notified to the EPA but not yet assessed, or contamination may be present but the site is not yet being regulated by the EPA. Further information about particular sites may be available from the appropriate planning authority, for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act. In addition the EPA may be regulating contamination at the site through a licence under the Protection of the Environment Operations Act 1997. You may wish to search the POEO public register.POEO public register

11 August 2022

Background

A strategy to systematically prioritise, assess and respond to notifications under Section 60 of the ***Contaminated Land Management Act 1997*** (CLM Act) has been developed by the EPA. This strategy acknowledges the EPA's obligations to make information available to the public under ***Government Information (Public Access) Act 2009***.

When a site is notified to the EPA, it may be accompanied by detailed site reports where the owner has been proactive in addressing the contamination and its source. However, often there is minimal information on the nature or extent of the contamination.

After receiving a report, the first step is to confirm that the report does not relate to a pollution incident. The Protection of the Environment Operations Act 1997 (POEO Act) deals with pollution incidents, waste stockpiling or dumping. The EPA also has an incident management process to manage significant incidents (https://www.epa.nsw.gov.au/reporting-and-incidents/incident-management).

In many cases, the information indicates the contamination is securely immobilised within the site, such as under a building or carpark, and is not currently causing any significant risks for the community or environment. Such sites may still need to be cleaned up, but this can be done in conjunction with any subsequent building or redevelopment of the land. These sites do not require intervention under the CLM Act, and are dealt with through the planning and development consent process. In these cases, the EPA informs the local council or other planning authority, so that the information can be recorded and considered at the appropriate time (https://www.epa.nsw.gov.au/your-environment/contaminated-land/managing-contaminated-land/role-of-planning-authorities).

Where indications are that the contamination could cause actual harm to the environment or an unacceptable offsite impact (i.e. the land is 'significantly contaminated'), the EPA would apply the regulatory provisions of the CLM Act to have the responsible polluter and/or landowner investigate and remediate the site. If the reported contamination could present an immediate or long-term threat to human health NSW Health will be consulted. SafeWork NSW and Water NSW can also be consulted if there appear to be occupational health and safety risks or an impact on groundwater quality.

As such, the sites notified to the EPA and presented in the list of contaminated sites notified to the EPA are at various stages of the assessment and remediation process. Understanding the nature of the underlying contamination, its implications and implementing a remediation program where required, can take a considerable period of time. The list provides an indication, in relation to each nominated site, as to the management status of that particular site. Further detailed information may be available from the EPA or the person who notified the site.

The following questions and answers may assist those interested in this issue.

Frequently asked questions

Why does my land appear on the list of notified sites?

Your land may appear on the list because:

- the site owner and/or the polluter has notified the EPA under section 60 of the CLM Act
- the EPA has been notified via other means and is satisfied that the site is or was contaminated.

If a site is on the list, it does not necessarily mean the contamination is significant enough to regulate under the CLM Act.

Does the list contain all contaminated sites in NSW?

No. The list only contains contaminated sites that EPA is aware of. If a site is not on the list, it does not necessarily mean the site is not contaminated.

The EPA relies on responsible parties and the public to notify contaminated sites.

How are notified contaminated sites managed by the EPA?

There are different ways the EPA can manage notified contaminated sites. Options include:

• regulation under the CLM Act, POEO Act, or both
• notifying the relevant planning authority for management under the planning and development process
• managing the site under the Protection of the Environment Operation (Underground Petroleum Storage Systems) Regulation 2014.

There are specific cases where contamination is managed under a tailored program operated by another agency (for example, the Resources & Geoscience's Legacy Mines Program).

What should I do if I am a potential buyer of a site that appears on the list?

You should seek advice from the seller to understand the contamination issue. You may need to seek independent contamination or legal advice.

The information provided in the list is indicative only and a starting point for your own assessment. Land contamination from past site uses is common, mainly in urban environments. If the site is properly remediated or managed, it may not affect the intended future use of the site.

Who can I contact if I need more information about a site?

You can contact the Environment Line at any time by calling 131 555 or by emailing info@environment.nsw.gov.au.

List of NSW Contaminated Sites Notified to the EPA

Disclaimer

The EPA has taken all reasonable care to ensure that the information in the list of contaminated sites notified to the EPA (the list) is complete and correct. The EPA does not, however, warrant or represent that the list is free from errors or omissions or that it is exhaustive.

The EPA may, without notice, change any or all of the information in the list at any time.

You should obtain independent advice before you make any decision based on the information in the list.

The list is made available on the understanding that the EPA, its servants and agents, to the extent permitted by law, accept no responsibility for any damage, cost, loss or expense incurred by you as a result of:

1. any information in the list; or
2. any error, omission or misrepresentation in the list; or
3. any malfunction or failure to function of the list;
4. without limiting (2) or (3) above, any delay, failure or error in recording, displaying or updating information.

Site Status	Explanation
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or *Protection of the Environment Operations Act 1997*.
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the *Contaminated Land Management Act 1997*, to obtain additional information needed to complete the assessment.
Regulation under CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the *Contaminated Land Management Act 1997* is not required.

Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the *Contaminated Land Management Act 1997*. A regulatory approach is being finalised.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record.
Contamination currently regulated under POEO Act	Contamination is currently regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA as the appropriate regulatory authority reasonably suspects that a pollution incident is occurring/ has occurred and that it requires regulation under the POEO Act. The EPA may use environment protection notices, such as clean up notices, to require clean up action to be taken. Such regulatory notices are available on the POEO public register.
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the *Environmental Planning and Assessment Act 1979* (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the *Contaminated Land Management Act 1997* (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the *Protection of the Environment Operations Act 1997* (POEO Act).

Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the *Environmental Planning and Assessment Act 1979* (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
REDFERN	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89183974	151.2132466
REDFERN	Surry Hills Shopping Village	397-399 Cleveland & 2-38 Baptist STREET	Other Industry	Regulation under CLM Act not required	-33.89229521	151.2119397
REVESBY	Dorf Clark Industries	184-194 Milperra ROAD	Metal Industry	Regulation under CLM Act not required	-33.93387149	151.000553
REVESBY	Thetis Pty Ltd - Bituminous Products	33-35 Violet STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.93702092	151.0067896
REVESBY	Mirotone Pty Ltd	21 Marigold STREET	Chemical Industry	Contamination currently regulated under POEO Act	-33.93559608	151.0002207
REVESBY	Caltex Service Station Revesby	181 The River ROAD	Service Station	Regulation under CLM Act not required	-33.95573605	151.0171779
REVESBY	Not Applicable - various tenancies	40 Marigold STREET	Unclassified	Under assessment	-33.936901	150.998204
RHODES	Homebush Bay Sediments adjoining the former UCAL and Allied Feeds sites	Homebush BAY	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8263749	151.0839216
RHODES	Former Glad factory site	10-16 Marquet STREET	Chemical Industry	Regulation under CLM Act not required	-33.82884048	151.0848716
RHODES	Former Allied Feeds site	Walker STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.82465376	151.0870401
RHODES	Former UCAL site	Walker STREET	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82727505	151.0853195
RHODES	Homebush Bay sediments adjoining former Berger Paint factory	Oulton AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.83535308	151.083238
RICHMOND	Caltex Richmond Service Station	98 March (Cnr East Market St) STREET	Service Station	Regulation under CLM Act not required	-33.59937996	150.7514483
RICHMOND	Western Sydney University	2 College STREET	Unclassified	Under assessment	-33.619207	150.755835
RIVERSTONE	Axalta Coating Systems	15-23 Melbourne ROAD	Other Industry	Regulation under CLM Act not required	-33.6636649	150.8557519

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246
RIVERSTONE	Woolworths Vineyard Service Station, Riverstone	1 Woodland Street, corner of Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65607641	150.8724067
RIVERSTONE	Vacant Commercial Land	88-94 Junction ROAD	Unclassified	Regulation under CLM Act not required	-33.66226398	150.8789967
RIVERWOOD	7-Eleven Riverwood	30 Bonds ROAD	Service Station	Regulation under CLM Act not required	-33.9523701	151.0583887
ROCKDALE	7-Eleven (former Mobil) Service Station	293 West Botany STREET	Service Station	Regulation under CLM Act not required	-33.94995672	151.1484667
ROCKDALE	7-Eleven Service Station	99 Railway STREET	Service Station	Regulation under CLM Act not required	-33.95247322	151.1356785
ROCKDALE	Lindsay St, Rockdale	7 Lindsay STREET	Other Industry	Under assessment	-33.95900867	151.1436466
ROOTY HILL	7-Eleven (former Mobil) Service Station	106 Rooty Hill Road South ROAD	Service Station	Regulation under CLM Act not required	-33.78036181	150.8501998
ROOTY HILL	7-Eleven (former Mobil) Service Station	1042 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78214955	150.8287656
ROOTY HILL	Infrabuild NSW Pty Ltd (formerly OneSteel NSW Pty Ltd)	22 Kellogg ROAD	Other Industry	Regulation under CLM Act not required	-33.76664143	150.8493465
ROSE BAY	Caltex Rose Bay Service Station	488 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.87475145	151.2723847
ROSE BAY	Rose Bay Budget Service station	638-646 New South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.87062149	151.2677617
ROSEBERY	Autofoil P/L	2 Mentmore AVENUE	Other Industry	Regulation under CLM Act not required	-33.91121318	151.2054882
ROSEBERY	Caltex Rosebery Service Station	321 Gardeners (Cnr Macquarie St) ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92302898	151.2059541
ROSEBERY	Former Industrial Site (Former Electroplating Facility)	108 Dunning AVENUE	Other Industry	Regulation under CLM Act not required	-33.91630811	151.201557

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROSEBERY	Rosebery Service Station	395 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92246784	151.2024589
ROSEHILL	Former Akzo Nobel site	4 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82238826	151.0319264
ROSEHILL	James Hardie Australia and former James Hardie lands	8 and 10 Colquhoun Street and 5 Devon STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82539019	151.0339466
ROSEHILL	2 Ritchie Street, Rosehill	2 Ritchie STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.82691192	151.0154948
ROSEHILL	James Hardie Factory (former, western portion)	181 James Ruse DRIVE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81605834	151.0238145
ROSEHILL	Viva Clyde Western Area	Durham Street, Rosehill (Camellia Peninsula) STREET	Other Petroleum	Regulation being finalised	-33.823437	151.037481
ROSELANDS	Roselands Shopping Centre	24 Roseland AVENUE	Service Station	Regulation under CLM Act not required	-33.93499281	151.0691284
ROSELANDS	Woolworths Caltex Petrol Service Station Roselands	218 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.93303118	151.0735036
ROSELANDS	7-Eleven (former Mobil) Service Station	91 Canary's ROAD	Service Station	Regulation under CLM Act not required	-33.93356078	151.0736274
ROSEVILLE	Mobil Service Station	2 Boundary STREET	Service Station	Regulation under CLM Act not required	-33.78769177	151.1796011
ROSEVILLE CHASE	Coles Express Roseville Chase	388 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78337722	151.1973901
ROZELLE	Caltex Service Station	121 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.86252996	151.168497
ROZELLE	7-Eleven (former Mobil) Service Station	178-180 (176-184) Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8630268	151.1680857
ROZELLE	Kennards Rozelle	15-39 Wellington STREET	Other Petroleum	Regulation under CLM Act not required	-33.86176757	151.1686519
ROZELLE	White Bay Power Station	Robert STREET	Other Industry	Regulation under CLM Act not required	-33.86674636	151.1772204

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROZELLE	BP Service Station	Corner Darling Street and Thornton STREET	Service Station	Regulation under CLM Act not required	-33.8591647	151.1716591
RUFUS RIVER	SA Water Depot - Rufus River	Old Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-34.04191512	141.2679475
RUSHCUTTERS BAY	d'Albora Marinas	1b New Beach ROAD	Other Industry	Contamination currently regulated under POEO Act	-33.87351297	151.2345082
RUTHERFORD	Rutherford Transpacific	11 Kyle STREET	Other Industry	Regulation under CLM Act not required	-32.71105203	151.500311
RUTHERFORD	Shell Coles Express Service Station Rutherford	118 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7208703	151.5394595
RUTHERFORD	Caltex Service Station	134-138 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7202589	151.5381526
RUTHERFORD	Transpacific Industrial Services/Nationwide Oil Pty Ltd	99 Kyle STREET	Chemical Industry	Regulation under CLM Act not required	-32.71262159	151.5013865
RUTHERFORD	Former Anambah Landfill	Anambah ROAD	Landfill	Under assessment	-32.70493978	151.512629
RYDALMERE	Caltex Service Station	309 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81196193	151.0371185
RYDALMERE	Mitsubishi Electric	348 Victoria ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.81040138	151.0392812
RYDALMERE	Rheem Australia	1 Alan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.81545013	151.0295476
RYDALMERE	BP Service Station	265 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8109483	151.0328101
RYDALMERE	Hunter Douglas	Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81009112	151.0384732
RYDALMERE	United Petroleum (former 7-Eleven) Service Station Rydalmere	262-272 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81006724	151.032377
RYDE	Shell Coles Express Ryde	45 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80726028	151.109981

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RYDE	Caltex Service Station	110 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80142973	151.1137925
RYDE	7-Eleven (former Mobil) Service Station	326-328 Blaxland ROAD	Service Station	Regulation under CLM Act not required	-33.80242183	151.1004278
RYDE	Ryde Bus Depot	51 - 75 Buffalo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.81679771	151.1225255
SANCTUARY POINT	United Service Station, Sanctuary Point	147 Larmer AVENUE	Service Station	Regulation under CLM Act not required	-35.09918861	150.6329537
SANDGATE	Caltex Service Station Sandgate	162 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.86501596	151.706161
SANDGATE	North Limited Storage Handling facility	Maitland ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-32.86598453	151.7012866
SANS SOUCI	7-Eleven (Former Mobil) Service Station	474 Rocky Point ROAD	Service Station	Regulation under CLM Act not required	-33.99088939	151.1333779
SANS SOUCI	BP Sans Souci	520 Rocky Point ROAD	Service Station	Contamination currently regulated under CLM Act	-33.99245122	151.1323571
SANS SOUCI	Kendall Street Reserve	Lawson Street and Kendall STREET	Landfill	Regulation under CLM Act not required	-33.99966431	151.13005
SANS SOUCI	Former Service Station	542-544 Rocky Point ROAD	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.99376148	151.1316131
SANS SOUCI	Former 7-Eleven Ramsgate	368 Rocky Point ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.98615125	151.1359961
SCHOFIELDS	Reserve 478, Grange Avenue, Schofields	Reserve 478, Grange AVENUE	Landfill	Regulation under CLM Act not required	-33.70228736	150.8518591
SCONE	Shell Coles Express Service Station	91- 93 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.04715941	150.8676346
SCONE	Scone Works Depot	220 Susan STREET	Other Petroleum	Regulation under CLM Act not required	-32.04444892	150.879152
SCONE	Mobil Scone Airport Elt	8 Walter Pye AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.03596733	150.8323698

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SYDNEY	Chifley Tower (basement fuel storage area)	2 Chifley SQUARE	Other Petroleum	Under assessment	-33.8659151	151.2117496
SYDNEY OLYMPIC PARK	RMS Western Precinct	14A-14E and 16 Hill ROAD	Other Petroleum	Regulation under CLM Act not required	-33.82239777	151.0758664
SYDNEY OLYMPIC PARK	Haslams Creek South Area 3	At Kronos Hill, Kevin Coombes AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.84113059	151.0602966
SYDNEY OLYMPIC PARK	Bicentennial Park	Bicentennial DRIVE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84456248	151.0788116
SYDNEY OLYMPIC PARK	Former Golf Driving Range Landfill	Sarah Durack AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85358517	151.0713987
SYDNEY OLYMPIC PARK	Kronos Hill Landfill	Kevin Coombes AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84014442	151.0649521
SYDNEY OLYMPIC PARK	Wilson Park (Former oil gas plant site)	Newington ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82623982	151.0536833
SYDNEY OLYMPIC PARK	Woo-la-ra Landfill	Hill ROAD	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82695807	151.07282
SYDNEY OLYMPIC PARK	Aquatic Centre Carpark Landfill	Shane Gould AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85153457	151.0678127
SYDNEY OLYMPIC PARK	Blaxland Common Landfill	Jamieson STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82638382	151.05972
SYLVANIA	Caltex Service Station	61 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.0140089	151.104212
SYLVANIA HEIGHTS	Ampol Service Station (former Caltex) - Sylvania Heights	414-416 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02361051	151.0895394
TALBINGO	Old Town Landfill	Bridle STREET	Landfill	Regulation under CLM Act not required	-35.59018237	148.3041771
TALBINGO	T3 Spoil dump and adjoining river sediments	Off Snowy Mountains HIGHWAY	Landfill	Contamination formerly regulated under the CLM Act	-35.6177268	148.2926158
TALBINGO	Former grit blasting site	Old Damsite ROAD	Other Industry	Regulation under CLM Act not required	-35.60894551	148.3030165

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TALLAWANG	Rail Corridor at Tallawang	Whistons LANE	Other Industry	Under assessment	-32.211846	149.476716
TAMINDA	Taminda Depots and Adjacent Areas	27-29 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09642128	150.9058193
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493
TAMINDA	Cleanaway Operations Pty Ltd	31 Gunnedah ROAD	Other Industry	Under assessment	-31.09621029	150.9051567
TAMINDA	Cummins South Pacific Pty Ltd	141 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09675	150.89175
TAMWORTH	Caltex Tamworth Service Station	109 Gunnedah ROAD	Service Station	Regulation under CLM Act not required	-31.09723226	150.8955299
TAMWORTH	Curlew Crescent	19-29 Curlew CRESCENT	Metal Industry	Regulation under CLM Act not required	-31.06963607	150.9069306
TAMWORTH	Former Service Station, Fitzpatrick Super Fund, Tamworth	210 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.10613594	150.9234143
TAMWORTH	Gunnedah Road Site	49 GUNNEDAH ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-31.09574904	150.9021583
TAMWORTH	Elovera Former Sheep Dip	730 Ascot Calala ROAD	Cattle Dip	Regulation under CLM Act not required	-31.1801846	150.962897
TAMWORTH	Housing NSW	29 -33 White STREET	Other Petroleum	Regulation under CLM Act not required	-31.0915651	150.9357811
TAMWORTH	Former Mobil Service Station	373-375 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.10122679	150.9441341
TAMWORTH	Kensell's Mitsubishi	11-14 Kable AVENUE	Other Petroleum	Regulation under CLM Act not required	-31.08921565	150.9273063
TAMWORTH	Caltex Star Tamworth	21 White STREET	Service Station	Regulation under CLM Act not required	-31.09255137	150.9341709
TAMWORTH	Former Service Station Tamworth	(Cnr Scott Rd) 254-256 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.1118945	150.9228523

Loose-fill asbestos insulation register

Listen (https://app-oc.readspeaker.com/cgi-bin/rsent?customerid=7371&lang=en_au&readid=page-content&url=https://www.fairtrading.nsw.gov.au/loose-fill-asbestos-insulation-register)

Look up the premises address

Please enter exact address information (including street type) of the address you wish to search (Note, the search fields are not case sensitive).

If a match is found, the premises has been identified as containing loose-fill asbestos insulation.

Results will only appear if an exact match of an address is found.

(The fields marked with * are required.)

No Match Found - A search match was not found in the Loose-fill Asbestos Insulation Register

Address searched: 201 Guntawong Road Riverstone

This information is correct at the time of the search

Unit

Street number*

Street name*

Street type*

Alley

Suburb*

Postcode

Submit

The NSW Government PFAS Investigation Program

View a map of the sites in NSW that may be contaminated with PFAS, learn how to reduce your exposure to these dangerous chemicals, and read about our investigation of the issue.

The EPA is leading an investigation program to assess the legacy of PFAS use across NSW. With the assistance of the NSW PFAS Technical Advisory Group, which includes NSW Health, Department of Primary Industries and the Office of Environment and Heritage, we provide impacted residents with tailored, precautionary dietary advice to help them reduce any exposure to PFAS.

Current investigations are focused on sites where it is likely that large quantities of PFAS have been used. The EPA is currently investigating PFAS at these sites:

Map view | List view

Clear filters ☑ **Only show sites within current map view** Showing 18 of 49 sites

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Alexandria Fire and Rescue NSW more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/alexandria-fire-and-rescue-nsw)	189 Wyndham Street Alexandria	PFAS investigation site
	Bankstown Airport more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/bankstown-airport)	3 Avro St, Bankstown NSW 2200	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Bathurst airport more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/bathurst-airport)	P J Moodie Memorial Dr, Raglan NSW 2795	PFAS investigation site
	Botany Bay area more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/botany-bay-area)		PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Botany Industrial Park more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/botany-industrial-park)	Dent Street, Botany, 2019	PFAS investigation site
	Camden Airport more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/camden-airport)	Aerodrome Rd, Cobbitty NSW 2570	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Greenacre Fire and Rescue more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/greenacre-fire-and-rescue-nsw)	1 and 1A Amarina Avenue, Greenacre	PFAS investigation site
	Hawkesbury River more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/hawkesbury-river)		PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Holsworthy Barracks more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/holsworthy-barracks)	Macarthur Drive, Holsworthy, 2173	PFAS investigation site
	Kemps Creek NSW Rural Fire Service more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/kemps-creek-rfs-training-site)	245 Devonshire Rd, Kemps Creek NSW 2178	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Kurnell: Caltex more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/kurnell-caltex)	2 Solander St, Kurnell, 2231	PFAS investigation site
	Lake Toolooma more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/lake-toolooma-heathcote-national-park)	Heathcote National Park	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Lithgow: Mines Rescue more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/mines-rescue-lithgow)	3 Proto Ave, Lithgow NSW 2790	PFAS investigation site
	Londonderry TestSafe & Fire and Rescue NSW more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/londonderry-testsafe-and-fire-and-rescue-nsw)	667 The Northern Road, Londonderry, 2753	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Munmorah and Colongra Power Stations more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/munmorah-and-colongra-power-stations)	Station Road, Colongra NSW 2262	PFAS investigation site
	Richmond RAAF Base more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/richmond-raaf-base)	Middleton Avenue, Richmond, 2753	PFAS investigation site

	Organisation	Address	Status
	filter by organisation	**filter by address*	☑ PFAS investigation site
	Springwood, St Columba's Catholic College more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/springwood-st-columba-catholic-college)	168 Hawkesbury Rd, Springwood, 2777	PFAS investigation site
	Westleigh NSW Rural Fire Service more information (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/westleigh)	12 Warrigal Drive, Westleigh	PFAS investigation site

Sampling and analysis

The EPA is collecting samples of soils and/or waters for analysis for PFAS. The EPA is also looking for exposure pathways that may increase people's contact with the chemicals, such as bore and surface water usage.

If significant levels are detected and human or ecological exposure is likely, a more detailed assessment will be undertaken.

The EPA will work with the occupiers and owners of these sites, or the responsible parties, to clean-up the site, where necessary.

Timeframes for the investigation

The initial investigations can take approximately six months, with further testing undertaken where required.

Test findings are made available throughout the investigations.

More information is available on the NSW EPA PFAS investigation process (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-process) page.

Release of the National Environmental Management Plan for PFAS version 2

The PFAS National Environmental Management Plan version 2 (https://www.environment.gov.au/protection/chemicals-management/pfas) has now been released by the Commonwealth Department of Agriculture Water and Environment. This is the current version of the PFAS NEMP. It was agreed by Heads of EPAs in October 2019. It has been endorsed by Environment Ministers and has been endorsed for implementation in NSW.

In those jurisdictions that have endorsed it, this version supersedes the first version of the NEMP published in 2018.

The PFAS NEMP establishes a practical basis for nationally consistent environmental guidance and standards for managing PFAS contamination. The plan has been developed by all jurisdictions and recognises the need for implementation of best practice regulation through individual jurisdictional mechanisms. It represents a how-to guide for the investigation and management of PFAS contamination and waste management.

The PFAS NEMP 2.0 provides new and revised guidance on four of the areas that were identified as urgent priorities in the first version of the NEMP

- Environmental guideline values
- Soil reuse
- Wastewater management
- On-site containment

This new guidance, as well as important clarifications regarding the intent of some of the PFAS NEMP 1.0 material, was developed by the National Chemicals Working Group across 2018 and considered by Heads of EPAs and Environment Ministers in late 2018.

Consultation on version 2 of NEMP

The Heads of EPAs Australia and New Zealand (HEPA) and the Australian Government Department of Agriculture, Water and the Environment (DAWE) worked together to develop the PFAS NEMP 2.0. HEPA's National Chemicals Working Group led the development and consultation process.

The draft PFAS NEMP 2.0 was published on 28 February 2019 with comments due by Friday 21 June 2019. Environmental regulators in all states and territories hosted public consultation sessions in all capital cities across March and April 2019, with the Commonwealth presenting the work on behalf of the National Chemicals Working Group. Around 550 people attended the sessions.

All feedback received was considered by the National Chemicals Working Group and further changes were made in response to that feedback before the document was finalised in late 2019. An ancillary document summarising the feedback and the responses made is expected to be published soon by the

Commonwealth Department of Agriculture Water and Environment.

Working with our stakeholders

The NSW Government is committed to working closely with all relevant government agencies, to closely monitor the progress of investigations, and to keep local communities informed. Government agencies include local councils, NSW Department of Primary Industries, NSW Health, NSW Food Authority, and where necessary the Commonwealth Department of Defence, and Commonwealth Department of Health.

In NSW the polluter pays for and manages any clean-up required. Although the NSW Government cannot regulate Defence sites, it has outlined expectations that Defence will carry out investigations in a timely manner that is consistent with the EPA's requirements and processes.

More information

PFAS investigation program fact sheet (PDF 213KB) (/-/media/epa/corporate-site/resources/community/factsheet-state-wide-pfas-investigation.pdf?la=en&hash=004EE1C28CEC9F16730FBFF322305DA0DDF1A3ED)

PFAS investigation program FAQs (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-faqs) page

NSW Department of Health (https://www.health.nsw.gov.au/environment/factsheets/Pages/pfos.aspx)

For specific health inquiries call the NSW Department of Health on **1300 066 055**

If you have any questions about the EPA's PFAS investigation program, please call the Environment Line on **131 555** or emailinfo@environment.nsw.gov.au (mailto:info@environment.nsw.gov.au)

Page last updated 14 July 2021

Please consider the environment before printing.

Approval of the Surrender of a Licence

Licence - 20544

JOHN HOLLAND PTY LTD
ABN 11 004 282 268 ACN 004 282 268
22 Gifnock Ave
MACQUARIE PARK NSW 2113

Attention: Maulik Bapodara

Notice Number	1580318
File Number	EF14/30890
Date	02-Jul-2019

APPROVAL OF THE SURRENDER OF LICENCE NO. 20544

BACKGROUND

The following licensee(s):

JOHN HOLLAND PTY LTD

applied to the Environment Protection Authority ("EPA") to surrender Environment Protection Licence No. 20544 ("the licence") issued under the Protection of the Environment Operations Act 1997 ("the Act"). The licence authorises the carrying out of activities at the Metro Northwest rail corridor between First Ponds Creek, Schofields and Cudgegong Roads, Rouse Hill NSW 2155.

A. The EPA received the application on 29-May-2019.

B. On the 5 June 2019 the EPA undertook an inspection of the remaining portions of the licensed premises. During that inspection, the EPA required the licensee to undertake minor works to render the premises suitable for surrender.

C. The EPA were notified of the completion of these works on the 14 June 2016.

D. The EPA notes that the licensee will retain responsibility for the premises for a 6 month caretaker period following the surrender of the licence.

E. In reviewing this application, the EPA has considered s45 of the Act and has determined to approve the surrender of the licence.

APPROVAL OF THE SURRENDER OF A LICENCE

1. The surrender of the licence is approved.

Approval of the Surrender of a Licence

2. The approval of the surrender is subject to the following conditions:
   a) The licensee must provide the EPA with an Annual Return in relation to compliance with the conditions of the licence during the period beginning on the last licence anniversary date and ending on the date that the surrender of the licence takes effect as set out in point 3 below.
   b) The Annual Return must be supplied to the EPA within 60 days of the date from which this notice operates (see note at the end of this notice).
   c) The content and form of the Annual Return must be in accordance with the applicable reporting conditions in the licence before it was surrendered.
   d) The Annual Return must be signed in accordance with the applicable reporting conditions in the licence before it was surrendered.

3. Except as provided by section 84(2) of the Act, the approval of the surrender of the licence by this notice operates from the date of this notice.

.....

Claire Miles

Unit Head

Metropolitan Infrastructure

(by Delegation)

INFORMATION ABOUT THIS NOTICE

- On the date that the surrender of your licence takes effect the current licence fee period comes to an end. However, the surrender of your licence does not affect your liability to pay fees owing to the EPA for that licence fee period or for any earlier licence fee period.
- If you have not already paid the administrative fee for the licence fee period which has just come to an end on the surrender of your licence you must still do so. The administrative fee for a licence fee period must be paid no later than 60 days after the beginning of that licence fee period (clause 36(1) of the *Protection of the Environment Operations (General) Regulation 2009*).
- Any load-based fees payable in relation to the licence fee period ending on the surrender of the licence must be paid no later than 90 days after the surrender of the licence takes effect (clause 37(1) of the *Protection of the Environment Operations (General) Regulation 2009*).
- Details provided in this notice will be available on the EPA's Public Register in accordance with section 308 of the Act.

Approval of the Surrender of a Licence

- The reporting period on your Annual Return must be filled in to reflect the appropriate dates beginning on the last licence anniversary date and ending on the date that the surrender of the licence takes effect.
- The completed Annual Return must be sent by Registered Post no later than 60 days from the end of the reporting period to:

  Regulatory and Compliance Support Unit

  Environment Protection Authority (EPA)

  PO Box A290

  SYDNEY SOUTH NSW 1232

- This notice is issued under section 80(1) of the Act.

Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

When this notice begins to operate

- The surrender of the licence specified in this notice begins to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to approve the surrender of the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

Licence summary

Search Again Return to Previous Page

Summary Licence No: 20544

View this licence (PDF document 167 kb)

Licence holder: JOHN HOLLAND PTY LTD
Premises: North West Rail Link -Operations Trains and Stations Project Between First Ponds Creek, Schofields and Cudgegong Road, ROUSE HILL, NSW, 2155
LGA: BLACKTOWN **Catchment:** Hawkesbury
Administrative fee: $8,645.00
Licence status: Surrendered
Activity type: Crushing, grinding or separating
Railway systems activities
Licence review: Due date 19 Dec 2019
Pollution incident management plan: Last tested 21 Jan 2019
Current Environmental Risk Level: Level 2

Applications

Number	Application type	Current status	Date received
1535775	s.58 Licence Variation	Issued	18 Nov 2015
1539328	s.58 Licence Variation	Issued	19 Feb 2016
1540774	s.58 Licence Variation	Issued	12 May 2016
1545890	s.58 Licence Variation	Issued	19 Oct 2016
1552908	s.58 Licence Variation	Issued	19 May 2017
1561630	s.58 Licence Variation	Issued	25 Jan 2018
1563277	s.58 Licence Variation	Issued	22 Mar 2018
1563962	s.58 Licence Variation	Issued	18 Apr 2018
1565812	s.58 Licence Variation	Issued	25 Jan 2018
1567355	s.58 Licence Variation	Issued	18 Jun 2018
1568861	s.58 Licence Variation	Issued	26 Jul 2018
1580318	s.80 Surrender of a Licence	Issued	29 May 2019

Notices

Number	Issue date	Notice type
1530197	24 Apr 2015	s.58 Licence Variation
1535775	19 Nov 2015	s.58 Licence Variation
1539328	31 Mar 2016	s.58 Licence Variation
1540774	19 May 2016	s.58 Licence Variation
1541653	16 Jun 2016	s.58 Licence Variation
1542894	27 Sep 2016	s.58 Licence Variation
1545890	21 Oct 2016	s.58 Licence Variation
1552908	07 Jun 2017	s.58 Licence Variation
1561630	09 Feb 2018	s.58 Licence Variation
1563277	06 Apr 2018	s.58 Licence Variation
1563962	26 Apr 2018	s.58 Licence Variation
1565812	13 Jun 2018	s.58 Licence Variation
1566813	13 Jul 2018	s.58 Licence Variation
1567101	13 Jul 2018	s.58 Licence Variation
1567355	30 Jul 2018	s.58 Licence Variation
1568689	23 Aug 2018	s.58 Licence Variation
1568861	23 Oct 2018	s.58 Licence Variation
1573687	17 Dec 2018	s.58 Licence Variation
1580318	02 Jul 2019	s.80 Surrender of a Licence

For business and industry
For local government
Contact us

Audits

Number	Audit type	Status
1561630	Mandatory Environmental Audit	Pending

Annual Returns

Start date	End date	Date received	Non-compliance	LBL data
19-Dec-2018	02-Jul-2019	05-Jul-2019	No	Not available
19-Dec-2017	18-Dec-2018	14-Feb-2019	yes	Not available
19-Dec-2016	18-Dec-2017	15-Feb-2018	yes	Not available
19-Dec-2015	18-Dec-2016	10-Feb-2017	yes	Not available
19-Dec-2014	18-Dec-2015	04-Feb-2016	yes	Not available

131 555 (tel:131555)

Online (https://yoursay.epa.nsw.gov.au/epa-website-feedback)

info@epa.nsw.gov.au (mailto:info@epa.nsw.gov.au)

EPA Office Locations (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

Accessibility (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)
Disclaimer (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/disclaimer)
Privacy (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/privacy)
Copyright (https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

Find us on

Environment Protection Licence

Licence - 20544

Licence Details	
Number:	20544
Anniversary Date:	19-December

Licensee

JOHN HOLLAND PTY LTD

PO BOX 1868

MACQUARIE PARK NSW 2113

Premises

NORTH WEST RAIL LINK -OPERATIONS TRAINS AND STATIONS PROJECT

BETWEEN FIRST PONDS CREEK, SCHOFIELDS AND CUDGEGONG ROAD

ROUSE HILL NSW 2155

Scheduled Activity

Crushing, grinding or separating

Railway systems activities

Fee Based Activity	Scale
Crushing, grinding or separating	> 100000-500000 T annual processing capacity
Railway systems activities	Any capacity

Region

Metropolitan Infrastructure

Level 13, 10 Valentine Ave

PARRAMATTA NSW 2150

Phone: (02) 9995 5000

Fax: (02) 9995 6900

PO Box 668

PARRAMATTA NSW 2124

Environment Protection Licence

Licence - 20544

INFORMATION ABOUT THIS LICENCE ---- 4

Dictionary ---- 4

Responsibilities of licensee ---- 4

Variation of licence conditions ---- 4

Duration of licence ---- 4

Licence review ---- 4

Fees and annual return to be sent to the EPA ---- 4

Transfer of licence ---- 5

Public register and access to monitoring data ---- 5

1 ADMINISTRATIVE CONDITIONS ---- 6

A1 What the licence authorises and regulates ---- 6

A2 Premises or plant to which this licence applies ---- 6

A3 Information supplied to the EPA ---- 7

2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND ---- 7

P1 Location of monitoring/discharge points and areas ---- 7

3 LIMIT CONDITIONS ---- 8

L1 Pollution of waters ---- 8

L2 Concentration limits ---- 8

L3 Noise limits ---- 9

L4 Hours of operation ---- 9

4 OPERATING CONDITIONS ---- 14

O1 Activities must be carried out in a competent manner ---- 14

O2 Maintenance of plant and equipment ---- 14

O3 Dust ---- 14

O4 Processes and management ---- 14

O5 Waste management ---- 15

O6 Other operating conditions ---- 15

5 MONITORING AND RECORDING CONDITIONS ---- 16

M1 Monitoring records ---- 16

M2 Requirement to monitor concentration of pollutants discharged ---- 16

M3 Testing methods - concentration limits ---- 17

M4 Weather monitoring ---- 17

M5 Recording of pollution complaints ---- 17

M6 Telephone complaints line ---- 18

Environment Protection Licence

Licence - 20544

M7 Other monitoring and recording conditions ---- 19

6 REPORTING CONDITIONS ---- 20

R1 Annual return documents ---- 20

R2 Notification of environmental harm ---- 21

R3 Written report ---- 21

R4 Other reporting conditions ---- 22

7 GENERAL CONDITIONS ---- 23

G1 Copy of licence kept at the premises or plant ---- 23

G2 Other general conditions ---- 24

8 SPECIAL CONDITIONS ---- 24

E1 Special Dictionary ---- 24

E2 Requirements for works permissible under conditions L4.4, L4.5 and L4.6 ---- 25

DICTIONARY ---- 29

General Dictionary ---- 29

Environment Protection Licence

Licence - 20544

Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

Licence - 20544

The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

JOHN HOLLAND PTY LTD
PO BOX 1868
MACQUARIE PARK NSW 2113

subject to the conditions which follow.

Environment Protection Licence

Licence - 20544

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity
Railway systems activities	Railway systems activities	Any capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
NORTH WEST RAIL LINK -OPERATIONS TRAINS AND STATIONS PROJECT
BETWEEN FIRST PONDS CREEK, SCHOFIELDS AND CUDGEGONG ROAD
ROUSE HILL
NSW 2155
LAND IDENTIFIED IN CONDITION A2.2 FOR THE CONSTRUCTION OF THE RAPID TRANSIT RAIL FACILITY (BETWEEN TALLAWONG RD, SCHOFIELDS RD, FIRST PONDS CREEK AND OAK ST, ROUSE HILL) AND THE STATIONS, WIDER PRECINCTS AND SERVICE FACILITIES AND RAIL INFRASTRUCTURE AND SYSTEMS FOR THE ENTIRE NORTH WEST RAIL LINK CORRIDOR (FROM CHATSWOOD STATION THROUGH TO ROUSE HILL)

A2.2 The premises is defined by the most recently approved premises maps held on the EPA Electronic File EF14/30890.

A2.3 Premises maps are not deemed to be approved by the EPA unless confirmed as such in writing by the EPA.

A2.4 Premises maps must be submitted to the EPA no later than 3 business days prior to any proposed changes to those maps.

A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:
a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

A3.2 Unless specifically stated by other conditions of this licence, Environmental Management Plans or Systems supplied to the EPA by the licensee do not form part of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge and monitoring at the outlet of sediment basins	Discharge and monitoring at the outlet of sediment basins	the outlet from sediment basins referred to in condition P1.3 of this licence

P1.3 The location of discharge points is defined by the most recently approved discharge point register held on the EPA Electronic File EF14/30890.

P1.4 The discharge point register is not deemed to be approved by the EPA unless confirmed as such in writing by the EPA.

P1.5 The discharge point register must be submitted to the EPA no later than 5 business days prior to any proposed changes to the register.

Environment Protection Licence

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table\s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.

L2.4 Water and/or Land Concentration Limits

POINT 1

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	Visible				not visible
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

L2.5 Exceedance of the limits specified in Condition L2.4 of this licence for pH and total suspended solids (TSS) for discharges from the sediment basins identified in Conditions P1.2 and P1.3 of this licence is only permitted if:
(a) the discharge occurs solely as a result of rainfall measured at the Premises exceeding 24.6mm for the 80th percentile sediment basin(s) and 32.2mm for the 85th percentile sediment basin(s) over any consecutive five (5) day period immediately prior to the discharge occurring from these basins; and

(b) The sediment basins and other erosion and sediment controls on the site have been designed, constructed, installed, maintained and managed in accordance with best management principles and practices described in the guideline “Managing Urban Stormwater – Soils and

Construction – Volume 1, 4th edition, 2004" produced by Landcom.

L2.6 If the licensee uses turbidity (NTU) in place of TSS to determine compliance with Condition L2.4, the licensee must develop a statistical correlation which identifies the relationship between NTU and TSS for water quality in the sediment basin/s in order to determine the NTU equivalent of 50 mg/L TSS before its use.

L2.7 The licensee must provide the EPA with a copy of the statistical correlation assessment methodology and results before using NTU in place of TSS.

L2.8 The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.

L2.9 The licensee must provide the EPA with any amendments the licensee makes to the statistical correlation as a result of the ongoing verification required by Condition L2.8 before using the revised statistical correlation.

L3 Noise limits

L3.1 All works and activities must be undertaken in a manner that will minimise noise and vibration impacts on sensitive receivers.

L3.2 The licensee must ensure that all feasible and reasonable noise and vibration mitigation and management measures are implemented during construction work authorised by this licence in accordance with the Interim Construction Noise Guideline (DECC, 2009).

L4 Hours of operation

L4.1 **Standard construction hours**

Unless permitted by another condition of this licence, construction works and activities must:

a) only be undertaken between the hours of 7:00 am and 6:00 pm Monday to Friday;

b) only be undertaken between the hours of 8:00 am and 1:00 pm Saturday; and

c) not be undertaken on Sundays or Public Holidays.

L4.2 **Exemptions to standard construction hours**

The following construction work may be undertaken outside of the hours specified by Condition L4.1:

a) Construction work that causes $L_{Aeq(15minute)}$ noise levels that are:

(i) no more than 5 dB above rating background level at any residence in accordance with the *Interim Construction Noise Guideline* (DECC, 2009); and

(ii) no more than the noise management levels specified Table 3 of the *Interim Construction Noise Guideline* (DECC, 2009) at other sensitive land uses;

b) Delivery of plant, equipment and materials required to be delivered out of hours for safety reasons;

c) Rail maintenance works including tamping and regulating to remediate vertical or horizontal movement >4 mm in track geometry that has occurred as a direct result of works being undertaken for the project; and

d) Emergency construction works or activities to ensure the safe operation of rail or avoid loss of life, damage to property, or environmental harm. The licensee must:

(i) on becoming aware of the need to undertake emergency construction work, notify the Environment Protection Authority's Environment Line on 131 555 of the need for those activities or work; and:

(ii) the next working day following the emergency works, submit a report to the EPA's Manager Metropolitan Infrastructure detailing:

1. the cause, time and duration of the emergency;

2. action taken by the licensee in relation to the emergency; and

3. details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of the emergency.

L4.3 **High Noise Impact Works**

High noise impact works and activities must only be undertaken:

a) between the hours of 8:00am to 5:00pm Monday to Friday;

b) between the hours of 8:00am to 1:00pm Saturday; and

c) in continuous blocks not exceeding 3 hours each with a minimum respite from those activities and works of not less than 1 hour between each block.

For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the work that is the subject of this condition.

L4.4 Works Approved Outside of Standard Construction Hours – Weekends

(a) Activities and works may be undertaken during the hours outlined in Condition L4.4(b) but only if one or more of the following applies:

(i) carrying on those works and activities during the hours specified in Condition L4.1 would cause unacceptable risks to one or more of the following:

(1) construction personnel safety;
(2) road user and public safety;
(3) road network operational performance as may be notified from time to time by the Transport for NSW Traffic Management Centre (or other road authority);
(4) essential utility services;
(ii) the Transport for NSW Traffic Management Centre (or other road authority) refuse to issue a road occupancy licence for the works or activities during the hours specified in Condition L4.1
(b) For the situations outlined in Condition L4.4(a), activities and works may be undertaken (except on public holidays) during the hours of:
(i) 1.00 pm and 6.00pm on Saturdays; and
(ii) 8.00 am and 6.00 pm on Sundays
(c) In undertaking any works or activities under Condition L4.4 the licensee must:
(i) comply with the requirements of Condition E2; and
(ii) implement noise and vibration mitigation detailed in the Interim Construction Noise Guidelines (DECC 2009).
(d) High noise impact works and activities must only be undertaken:
(i) between the hours of 8:00am to 6:00pm; and
(ii) in continuous blocks not exceeding 3 hours each with a minimum respite from those activities and works of not less than 1 hour between each block.
For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the work that is the subject of this condition

L4.5 Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

(a) Activities and works may be undertaken during the hours outlined in L4.5(b) but only if one or more of the following applies:
(i) carrying on those works and activities during the hours specified in Condition L4.1 would cause unacceptable risks to one or more of the following:
(1) construction personnel safety;
(2) road user and public safety;
(3) road network operational performance as may be notified from time to time by the Transport for NSW Traffic Management Centre (or other road authority);
(4) essential utility services

(ii) the Transport for NSW Traffic Management Centre (or other road authority) refuse to issue a road occupancy licence for the works or activities during the hours specified in Condition L3.1.

(b) For the situations outlined in L4.5(a) works and activities may be undertaken (except on public holidays) between the hours of:
(i) 6:00 pm and 7:00 am the following day on Mondays, Tuesdays, Wednesdays, and Thursdays; and
(ii) 6:00 pm and 8:00 am the following day on Fridays.

(c) In undertaking any activities and works under Condition L4.5(b) the licensee must:
(i) comply with the requirements of Condition E2;
(ii) implement noise and vibration mitigation measures as detailed in the Interim Construction Noise Guidelines (DECC 2009);
(iii) unless otherwise agreed to by relevant community stakeholders, ensure out of hours works and

activities are not undertaken within the same local noise catchment on more than:
(a) 3 consecutive evenings or nights per week; and
(b) 4 evenings or nights per week; and
(c) 10 evenings or nights per month.
(iv) ensure high noise impact works and activities are not undertaken on more than 2 evenings or nights per week within the same local noise catchment.

L4.6 **Additional works agreed outside of standard construction hours**

a) Works within the tunnel may be undertaken 24 hours per day, seven days per week.
Note: This does not include works within the station box excavations unless specified by another condition of this licence.

b) Works may be undertaken outside the hours specified in L4.1 at the Epping Services Facility to temporarily store and recycle material from works being carried out in the rail corridor during designated 2018 Sydney Trains rail shutdown possessions provided that:
(i) the works are only undertaken between 0500 Saturday 10 February and 0500 Monday 12 February, 0500 Saturday 24 February and 0500 Monday 26 February, 0500 Saturday 17 March and 0500 Monday 19 March, 0500 Saturday 24 March and 0500 Monday 26 March, 0500 Saturday 19 May and 0500 Monday 21 May, 0500 Saturday 18 August and 0500 Monday 20 August and 0500 Saturday 25 August and 0500 Monday 27 August; and

(ii)No other works (other than works permitted under L4.2) will be undertaken between 6.00pm and 7.00am for two days preceding and two days following the approved works in L4.6(b) i) that will impact the same noise sensitive receivers.

L4.7 The licensee may undertake works outside of standard construction hours if agreement between the licensee and a substantial majority of potentially affected sensitive receivers has been reached.

L4.8 Any agreement(s) between the licensee and the potentially affected noise sensitive receivers referred to in Condition L4.7 must be recorded in writing and a copy of the agreement(s) kept on the premises by the licensee for the duration of this licence

L4.9 [deleted]

L4.10 [deleted]

L4.11 Works may be undertaken outside the hours specified in licence condition L4.1 to facilitate works along Windsor Road and Rouse Hill Drive for a trial period of one month between 13 June 2018 and 14 September 2018 provided that:

(a) works are only undertaken where a Road occupancy licence is obtained, or in the event that concrete soft-cutting is required; and

(b) the works are only undertaken between 1900 on Mondays and 0500 on Saturdays;

(c) works causing noise levels 25dB(A) above the Noise Management Level must not be undertaken after 2200 where reasonable and feasible;

(d) noise monitoring for evening and night works must:
i. Be undertaken on 15 evenings and nights during the trial period with the monitoring periods selected to be representative of the typical works and activities carried out over the period; and
ii. Be undertaken for a minimum of 1 hour in the evening and 1 hour at night and should capture both the ambient noise level and the contribution noise level from construction activities associated with this condition; and
iii. Capture the ambient and construction contribution noise levels and shall be reported using the LAeq,15 minutes, LA90,15mintes and LAmax parameters; and
iv. Be undertaken at the boundary of the nearest sensitive receiver;

(e) where monitoring has been carried out under condition L4.11(d), the licensee must provide a written report to the EPA prepared by 10 September 2018 that includes at a minimum, all monitoring results required by this condition, including the exact location of the monitoring, time and date of the monitoring, weather conditions, the name of the person who conducted the monitoring, and information on the nature and location of the works at the time of monitoring; and

(f) a weekly community construction update is made publicly available on the project website that details at a minimum:
i. the activities proposed to be undertaken under Condition L4.11 for the two weeks ahead; and
ii. the location of the works; and
iii. the likely noise impacts on receivers in plain English.

L4.12 **Train Testing**

Train testing activities may be carried out along the rail alignment of the premises between the Sydney Metro Trains Facility and Chatswood Station for 24 hours per day, provided that all reasonable and feasible noise mitigation and management measures are implemented to minimise noise impacts on the nearest noise sensitive receivers caused by train testing activities.

L4.13 Epping to Chatswood Rail Link Conversion Works

Activities and works may be carried out at surface sites of the rail alignment of the premises located at Epping (Chainage 24+200km) and Chatswood (Chainage 11+000km), to support the conversion of the Epping to Chatswood Rail Link (ECRL) outside of standard construction hours specified in condition L4.1, between 26 October 2018 until 5 May 2019 provided that:

(a) all reasonable and feasible noise mitigation and management measures are implemented to minimise noise impacts on the nearest noise sensitive receivers caused by the activities and works; and

(b) noise monitoring of activities and works is undertaken in accordance with revision 2 of the ECRL shutdown noise monitoring plan prepared by Northwest Rapid Transit dated 19 October 2018.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O3 Dust

O3.1 The licensee must minimise the emission of dust at the premises and prevent its emission from the premises to the greatest extent practicable.

O4 Processes and management

O4.1 **Polymer-Based Flocculant**
The licensee must ensure that any polymer based flocculants used to treat water before discharge from the premises has a 48-hour EC50 (immobilisation) for water fleas and a 96-hour EC50 (imbalance) for fish, greater than 100 milligrams per litre.

Note: In accordance with the EPA Approved Methods Publication any analysis should be undertaken by a laboratory accredited to perform those analyses by an independent accreditation body acceptable to the EPA, such as the National Association of Testing Authorities (NATA) or equivalent.

O4.2 **Community Engagement**

a) The licensee must provide a Community Information Display space within the main Project Office that will be available to the community during business hours. The display space must provide images and relevant information on the project and be staffed by a Community Liaison Team member to provide answers to any community concerns/enquiries.

b) The community information display must include details of upcoming construction activities (including out of hours activities), nature and timing of such activities, relevant contact details and proposed specific mitigation measures. The information must include at a minimum, details of up and coming activities that are to occur over the next month.

c) The licensee must convene and hold community meetings or open forums in relation to the project, including (but not limited to) key construction activities and/or key project milestones, at least once every three months.

d) The licensee must keep minutes of any community meeting held in accordance with this condition and must submit a copy of the relevant minutes to the EPA when requested by an EPA officer.

O5 Waste management

O5.1 The licensee must assess, classify and manage any waste generated at the premises in accordance with the *Waste Classification Guidelines Part 1 : Classifying Waste, April 2008 (Waste Guidelines)* prior to dispatching the waste offsite.

O5.2 The licensee must not cause, permit or allow any waste generated:

(a) outside the premises to be received at the premises, except for Virgin Excavated Natural Materials (VENM), recycled materials from the Sydney Trains rail corridor or the Sydney Trains recycling facility or materials that meet the EPA's Resource Recovery Exemptions.

(b) at the premises to be disposed of at the premises, except as permitted in Condition O5.3.

Note: For the purposes of this condition the Sydney Trains rail corridor is the licenced premises defined in environment protection licence 12208. For the purposes of this condition the Sydney Trains recycling facility is the licenced premises defined in environment protection licence 7515.

O5.3 Excavated material suitable for re-use within the premises may be transported from one part of the premises or the Sydney Trains rail corridor or Sydney Trains recycling facility to another part of the premises by road in accordance with Condition O5.4.

O5.4 The licensee must ensure that:

(a) the body of any vehicle or trailer, used to transport waste or excavation spoil from the premises, is covered before leaving the premises to minimise any spill or escape of any dust, waste, or spoil from the vehicle or trailer; and

(b) mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the premises, is removed to the greatest extent practicable before the vehicle, trailer or motorised plant leaves the premises; and

(c) road surfaces subject to the tracking of material by vehicles leaving the premises are effectively cleaned at the end of each work day.

O6 Other operating conditions

Erosion and Sediment Control

O6.1 The licensee must, before undertaking any construction work (including any earthmoving or vegetation removal works), implement all soil and water management works required to minimse pollution of waters.

O6.2 The licensee must inspect the operation of soil and water management works installed on the premises and undertake any works required to repair and/or maintain these controls:
a) at least weekly during normal construction hours outlined in condition L4.1;
b) prior to any major rainfall event forecasted;
c) daily following a major rainfall event in any 24 hour period, if safe to do so; and
d) prior to any site closure of greater than 24 hours.

O6.3 The licensee must record all such inspections, including observations and works undertaken to repair and/or maintain soil and water management works.

O6.4 The licensee must ensure the design storage capacity of the sediment basins installed on the premises is reinstated within 5 days of the cessation of a rainfall event that causes runoff to occur on or from the premises.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:
a) in a legible form, or in a form that can readily be reduced to a legible form;
b) kept for at least 4 years after the monitoring or event to which they relate took place; and
c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
a) the date(s) on which the sample was taken;
b) the time(s) at which the sample was collected;
c) the point at which the sample was taken; and
d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

Environment Protection Licence

Licence - 20544

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	Visible	Daily during any discharge	Visual Inspection
pH	pH	Daily during any discharge	In situ
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample

M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Weather monitoring

M4.1 The licensee must monitor hourly temperature, humidity, wind velocity and rainfall at the nearest Australian Bureau of Meteorology weather station or the project weather station.

M4.2 The rainfall monitoring data collected in compliance with M4.1 can be used to determine compliance with condition L2.5.

M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

Note: *For the purposes of this condition, the telephone complaints line is operated by Transport for NSW. The licensee will have staff available to respond to complaints during its operating hours.*

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M6.3 The preceding two conditions do not apply until after: the date of the issue of this licence.

M6.4 **Notification of Community Complaints Line**

The licensee must ensure that the community notification required by condition M6.2 is undertaken:

a) on not less than two occasions at least seven days apart;

b) not less than 7 days and not more than 30 days before initial construction work commences at the premises;

c) by general advertisements and public notices in newspapers, including community language newspapers, that are regularly circulated within the communities likely to be affected by noise or other construction impacts; and

d) by including on the home page of the project web site information on:

(i) how the public can make a complaint on the telephone complaints line; and

(ii) how complaints will be processed.

Note: For the purposes of this condition, the initial notification has been undertaken by Transport for NSW and the project website is operated by Transport for NSW. Additional ongoing notification will be undertaken by the licensee following approval from TfNSW.

Noise and Vibration Complaints

M6.5 a) The licensee must investigate noise and vibration complaints from the occupants of dwellings or the management of noise sensitive receivers other than dwellings:
(i) within two hours of the complaint being made; or
(ii) in accordance with any prior complaint management agreement the licensee may have made with the complainant,

b) The licensee must ensure that any investigation referred to in this condition that identifies works or activities being undertaken on the licensed premises as the likely source of the complaint, includes an offer to the complainant to undertake attended noise or vibration monitoring at their premises, and

c) If the occupant of the dwelling or the management of a noise sensitive receiver other than a dwelling accepts the offer of attended noise or vibration monitoring the licensee must undertake that attended monitoring:
(i) as soon as practicable; or
(ii) at a time agreed with the complainant.

Notifying Results of Complaint Investigation

M6.6 The licensee must, in respect of each complaint made to the telephone complaints line required by condition M6.1, advise each complainant of the results of its investigation of their complaint and any proposed remedial action.

Authorised Licensee Representatives

M6.7 a) The licensee must ensure that two duly authorised representatives of the licensee are available for contact by the EPA at all times.

b) The licensee must provide the EPA with up to date details of natural persons authorised to represent the licensee in respect of:
(i) answering general enquiries made by the EPA or its authorised officers;
(ii) speaking on behalf of the licensee;
(iii) signing on behalf of the licensee; and
(iv) acting as the licensee's 'out of hours' contact with authority to direct the licensee's employees, agents and contractors to undertake such action as may be necessary to ensure that construction work complies with this licence.

c) The details required by condition M6.7 b) must include:
(i) the full name of each authorised representative and the scope of their authority to represent the licensee;
(ii) that status and title of each authorised representative within the licensee Organisation; and
(iii) the direct landline telephone number, mobile telephone number, email address and postal address of each authorised representative.

M7 Other monitoring and recording conditions

M7.1 The licensee must monitor noise and vibration from construction work, including during work undertaken out of hours.

M7.2 All noise monitoring must be undertaken in accordance with Australian Standard AS 2659.1 – 1998: Guide to the use of sound measuring equipment – Portable sound level meters, or any revisions of that standard which may be made by Standards Australia, and the compliance monitoring guidance provided in the NSW Industrial Noise Policy.

M7.3 All vibration monitoring must be undertaken in accordance with the guidance provided in the Environmental Noise Management Assessing Vibration: A Technical Guideline published by the Department of Environment and Conservation, February 2006. All vibration monitoring results must be assessed and reported against the acceptable values of human exposure to vibration set out in Tables 2.2 and 2.4 in this guideline.

M7.4 The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA.

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;

f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

Daily Complaints Report

R4.1 a) The licensee must submit, by 2:00 pm each business day, a report to the EPA that provides details of all complaints received in relation to construction activities regulated by the licence on the telephone complaints line required by Condition M6.1.

b) The report must:
(i) be submitted to the email address nominated from time to time by the EPA;
(ii) include a unique identifier number for each complaint together with the details required by condition M5.2;
(iii) include the date and time, as reported by the complainant, of the event the subject of the complaint;
(iv) include an outline of the work or activity the subject of the complaint;
(v) include the complaints received between 12.00 pm on that day and 12.00pm on the previous business day; and

c) The licensee is not required to submit a report for any reporting period during which no complaints have been received.

Noise and Vibration Reports

R4.2 a) Upon request of an authorised officer of the EPA, the licensee must submit a Preliminary Investigation Report to the EPA in respect of any noise or vibration monitoring undertaken in accordance with the requirements of Condition M6.5 or a direction made pursuant to Condition M7.4.

b) The Preliminary Investigation Report must be submitted to the EPA by 4.30 pm of the afternoon of the next working day following any noise or vibration monitoring.

c) The Preliminary Investigation Report must:
(i) include numerical and/or graphical representation of the noise and vibration monitoring results; and
(ii) highlight any detected exceedance of noise goals or limits specified in:
(1) this licence;
(2) relevant noise guidelines; and
(3) relevant noise modelling.

d) In the event of any exceedance of the noise goals or limits referred to in Condition R4.2 c)(ii), the licensee must:
(i) modify work practices and methods and implement all practicable and reasonable measures to prevent a recurrence of the exceedance; and

(ii) submit a Follow-up Investigation Report to the EPA within 5 working days of any noise or vibration monitoring having been undertaken (unless otherwise approved by the EPA).

e) the Follow-up Investigation Report must include:
(i) confirmation of whether noise monitoring has been undertaken in accordance with AS2659 and the compliance monitoring guidance provided in the INP;
(ii) confirmation of whether vibration monitoring has been undertaken in accordance with the guidance provided in the Assessing vibration: a technical guideline (DEC, 2006);
(iii) details of the prevailing meteorological conditions during the period when the noise or vibration monitoring was undertaken;
(iv) a map of each noise and vibration monitoring location in relation to the noise source, including relevant distances;
(v) numerical and graphical representation of the noise and vibration monitoring results;
(vi) an analysis of the noise and vibration monitoring results;
(vii) details of any remedial action taken in relation to the matter; and
(viii) in cases not the subject of remedial action, detailed justification of the decision not to undertake remedial action.

Dust and weather reports

R4.3 a) The licensee must, when requested by an authorised officer of the EPA, provide a report concerning dust control and management at the premises.

b) The licensee must, for the period specified by the authorised officer, include the following in the report:

(i) the results of monitoring undertaken in accordance with condition M4.1;
(ii) details of any incident during which dust was emitted from the premises, including any photographs taken of the incident; and
(iii) details of the type and frequency of any dust control measures implemented at the premises.

c) The report must be submitted to the email address nominated from time to time by the EPA by 4.30 pm on the second working day after receiving a request referred to in this condition.

R4.4 **Monthly non-compliance and discharges report**
The licensee must provide the EPA with a monthly report containing the following information:
a) Details of all non-compliances with the conditions of this licence and measures taken, or proposed, to prevent a recurrence of such a non-compliance; and
b) Details of all discharges from the sediment basins where the water quality results exceed the limits prescribed in condition L2.4, including the results of the rainfall measurements, to demonstrate compliance with condition L2.5; and
The report referred to in this condition must be received by the EPA within 10 working days of the end of the month.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Other general conditions

G2.1 **Environmental Induction**

a) The licensee must ensure that before any construction work is undertaken all personnel involved in undertaking that work receive environmental induction training.

b) The induction training must:

(i) clearly identify the location of all noise sensitive receivers likely to be affected by noise or vibration generated during the course of work undertaken by those personnel; and

(ii) highlight the licence requirements to minimise noise and vibration impacts on noise sensitive receivers.

8 Special Conditions

E1 Special Dictionary

E1.1

Term	Meaning
AS 2659	means Australian Standard AS 2659.1 – 1988 : Guide to the use of sound measuring equipment – Portable sound level meters
Business day	excludes Saturdays, Sundays, public holidays and rostered days off (RDOs)
Operating hours	means hours during which any construction-related works or activities are being undertaken, including outside of standard construction hours
Construction work	includes all construction work and activities, and all construction-related work and activities, undertaken on the premises.
Day	the period from 0700 and 1800 h (Monday to Saturday) and 0800 to 1800 h (Sundays and Public Holidays) as per the definition in the New South Wales Government' s Industrial Noise Policy.

ENMAV	means the Environmental Noise Management technical guideline Assessing Vibration published by the Department of Environment and Conservation in February 2006.
Essential utility services	means telephone, electricity, gas and water services.
Evening	the period from 1800 to 2200 h as per the definition in the New South Wales Government's Industrial Noise Policy.
High noise impact activities and works	means jack hammering, rock breaking or hammering, pile driving, vibratory rolling, cutting of pavement, concrete or steel or other work occurring on the surface that generates noise with impulsive, intermittent, tonal or low frequency characteristics.
INP	means the New South Wales Industrial Noise Policy published by the EPA in January 2000.
Impulsive noise	has the same meaning as in section 4.2 of the INP.
Interim Construction Noise Guidelines (ICNG)	Interim Construction Noise Guidelines (DECC, July 2009).
Intermittent noise	has the same meaning as in section 4.2 of the INP.
Local noise catchment	means an area in which all identified noise sensitive receivers are exposed to similar noise levels from the same source at the same time.
Low-frequency noise	the same meaning as in section 4.2 of the INP.
Out of hours	means hours outside those prescribed by condition L4.1.
Night	the period from 2200 to 0700 h (Monday to Saturday) and 2200 to 0800 h (Sundays and Public Holidays) as per the definition in the New South Wales Government' s Industrial Noise Policy.
Noise sensitive receiver	means any dwelling, boarding-house, child care centre, educational establishment, hospital, motel, nursing home, or place of public worship.
Practicable and reasonable	has the same meaning as 'reasonable and feasible' in the INP.
Soil and water management works	include all measures to control erosion and sediment such as sediment filters, drains, ponds, basins, stormwater run on and runoff controls, site stabilisation works, temporary water crossings and vehicular access controls.
Tonal noise	the same meaning as in section 4.2 of the INP. Environment.
Train testing activities	relates to those activities defined as essential for the Initial Performance Testing and Train Trial Operations but does not include the use of horns, other system testing such as emergency drills, operational ventilation or pump systems.

E2 Requirements for works permissible under conditions L4.4, L4.5 and L4.6

E2.1 Noise and Vibration Impact Assessment

a) A noise and vibration impact assessment is required for any works undertaken under Conditions L4.4,

L4.5 and L4.6.

b) The noise and vibration impact assessment must be prepared by an appropriately qualified person experienced in assessing the impacts of noise and vibration from civil engineering works.

c) The noise and vibration impact assessment must include:

(i) details of the nature and scope of each activity and work, including details of times, vehicles, plant and equipment to be used to undertake that activity or work;

(ii) detailed analysis to justify the scheduling and duration of each activity and work outside the hours specified in Condition L4.1, including taking into account:

(1) the predicted impact on noise sensitive receivers of any activities and works undertaken outside the hours specified in Condition L4.1; and

(2) the preference that high noise impact works be undertaken during the day;

(iii) detailed analysis to justify use of the selected construction and work methods, plant and equipment compared to alternatives taking into consideration noise and vibration impacts;

(iv) a table showing details of the noise and vibration mitigation measures for each activity and

work, including respite periods, proposed to be adopted to minimise noise and vibration impacts on

surrounding noise sensitive receivers in each locality;

(v) a table showing for each activity and work in each noise catchment

(1) the address of each of the most affected noise sensitive receivers;

(2) the background noise level for each of the noise sensitive receivers listed in the

table,

(3) noise management levels as described in Section 4 of the Interim Construction

Noise Guideline (DECC, 2009);

(4) the predicted LAeq (15 min) noise level, incorporating any 5 dB correction for particularly annoying activities as listed on page 16 of the Interim Construction Noise Guideline (DECC, 2009); and

(5) an assessment of sleep disturbance as set out in Section 4.3 of the Interim Construction Noise Guideline (DECC, 2009), where works are planned to extend over more than two consecutive nights.

(vi) details of the specific noise mitigation measures to be adopted in respect of any activity or work predicted to generate noise levels at any noise sensitive receiver exceeding the noise affected LAeq(15minute) level of background plus 5 dB outside the standard hours set in Condition L4.1;

(vii) a diagram showing the location of noise and vibration monitoring locations in relation to each of the

most affected noise sensitive receivers for each activity and work in each noise catchment;

E2.2 Documenting E2.1
The licensee must document the formal assessment required by condition E2.1 in a detailed report that includes all maps, calculations and analyses relied upon in making its determination of:

(i) whether the proposed activity or work may be undertaken pursuant to Conditions L4.4, L4.5 and L4.6;

(ii) the scheduling of each proposed activity and work;

(iii) the construction methods, plant and equipment used in each activity and work;

(iv) the noise and vibration impact mitigation measures adopted for each activity and work; and

(v) the location of each noise and vibration monitoring location.

E2.3 a) When the licensee undertakes works or activities or simultaneous combination of works or activities in accordance with Condition E2.1, the licensee must:
(i) undertake attended noise and vibration monitoring at representative stages of the activity or work to confirm whether the noise and vibration predictions in its noise and vibration assessment were accurate; and
(ii) review the work or activity or combination of simultaneous works or activities as soon as practicable following the events referred to in (1) and (2) below and where possible, modify the work or activity to prevent any recurrence of these events:
(1) noise monitoring referred to in (i) indicates that the activity, work or combination of simultaneous activities or works has caused or is causing noise or vibration levels higher than the predicted levels at any noise sensitive receiver; or
(2) the licensee, its contractors or its agents receive 2 or more complaints found to result from the activity, work or combination of simultaneous activities or works on the telephone complaints line referred to in condition M6.1 or by any other means.

E2.4 Community notification of works outside standard construction hours
a) The licensee must notify the community likely to be affected by noise or vibration from works or activities proposed to be undertaken outside of the hours specified by Condition L4.1 and L4.2, of those works or activites.
b) The notification must:
(i) be made by targeted letterbox drop, by clearly posting on the licensee's project website and by email to noise sensitive receivers who have elected to be notified by email;
(ii) be made not less than 5 days and not more than 14 days before commencement of any out of hours works or activities;
(iii) include:
(1) a diagram that clearly identifies the location of the proposed out of hours works in relation to nearby cross streets and local landmarks or geographical features;
(2) details of the timing, nature, scope and duration of the proposed works and activities;
(3) detail of why the proposed works and activities are being undertaken outside of standard construction hours;
(4) details of the predicted noise and vibration impacts of the works on identified sensitive receivers;
(5) details of all proposed mitigation measures, including respite periods and proposed scheduling
(6) details of the types of plant and equipment that will be used to undertake the work;

(7) details of how complaints may be made and additional information obtained about the work;
(8) contact details of an interpreter and translation service in community languages relevant to the locality who will assist callers in making contact with the licensee
(9) include notification of any upcoming project community meetings or forums.

Environment Protection Licence

Licence - 20544

Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

Environment Protection Licence

Licence - 20544

flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 mo nths. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

Environment Protection Licence

Licence - 20544

TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste

Mr Mark Hanemann

Environment Protection Authority

(By Delegation)

Date of this edition: 19-December-2014

Environment Protection Licence

Licence - 20544

End Notes

2	Licence varied by notice	1530197 issued on 24-Apr-2015
3	Licence varied by notice	1535775 issued on 19-Nov-2015
4	Licence varied by notice	1539328 issued on 31-Mar-2016
5	Licence varied by notice	1540774 issued on 19-May-2016
6	Licence varied by notice	1541653 issued on 16-Jun-2016
7	Licence varied by notice	1542894 issued on 27-Sep-2016
8	Licence varied by notice	1545890 issued on 21-Oct-2016
9	Licence varied by notice	1552908 issued on 07-Jun-2017
10	Licence varied by notice	1561630 issued on 09-Feb-2018
11	Licence varied by notice	1563277 issued on 06-Apr-2018
12	Licence varied by notice	1563962 issued on 26-Apr-2018
13	Licence varied by notice	1565812 issued on 13-Jun-2018
14	Licence varied by notice	1566813 issued on 13-Jul-2018
15	Licence varied by notice	1567101 issued on 13-Jul-2018
16	Licence varied by notice	1567355 issued on 30-Jul-2018
17	Licence varied by notice	1568689 issued on 23-Aug-2018
18	Licence varied by notice	1568861 issued on 23-Oct-2018
19	Licence varied by notice	1573687 issued on 17-Dec-2018

Appendix F Section 10.7 Planning Certificate

©JBS&G Australia Pty Ltd

Planning certificate

Section 10.7 (2) and (5)

We have prepared this Planning Certificate under Section 10.7 of the *Environmental Planning and Assessment Act 1979*. The form and content of the Certificate is consistent with Schedule 2 of the Environmental Planning and Assessment Regulation 2021.

Applicant details

URBIS

LEVEL 8, 123 PITT STREET

SYDNEY NSW 2000

Your reference P0053305

Certificate details

Certificate no.	PL2024/12244	**Fee**	
Date issued	25 September 2024	**Urgency fee**	**N/A**
Receipt no	D005425924		

Property information

Property ID	405732	**Land ID**	403474
Legal description	LOT 1 DP 1283186		
Address	201 GUNTAWONG ROAD TALLAWONG NSW 2762		
County	CUMBERLAND	**Parish**	GIDLEY

Within this certificate, we have included references to websites where you may find additional information. If you still require assistance on any matter covered by this certificate, please contact us on 02 5300 6000 or at s10.7certificates@blacktown.nsw.gov.au

Disclaimer

Blacktown City Council gives notice and points out to all users of the information supplied herein, that the information herein has been compiled by Council from sources outside of Council's control. While the information herein is provided with all due care and in good faith, it is provided on the basis that Council will not accept any responsibility for and will not be liable for its contents or for any consequence arising from its use, and every user of such information is advised to make all necessary enquiries from the appropriate organisations, institutions and the like.

Blacktown City Council also gives notice to all users of the information supplied herein, wherever any particular enquiry herein remains unanswered or has not been elaborated upon, such silence should not be interpreted as meaning or inferring either a negative or a positive response as the case may be.

Notice on the NSW Government's review of State Environmental Planning Policies

This note only applies to land affected by one or more of the following State Environmental Planning Policies (SEPPs), which were repealed on 1 March 2022.

- State Environmental Planning Policy (Sydney Region Growth Centres) 2006
- State Environmental Planning Policy (State Significant Precincts) 2005
- Sydney Regional Environmental Plan No 30—St Marys
- State Environmental Planning Policy (Western Sydney Parklands) 2009
- State Environmental Planning Policy (Western Sydney Employment Area) 2009
- State Environmental Planning Policy (Western Sydney Aerotropolis) 2020.

From 1 March 2022, the following State Environmental Planning Policies apply as follows:

- State Environmental Planning Policy (Precincts – Central River City) 2021 applies where:
  - Appendix 3, 4, 6, 7 or 12 of repealed State Environmental Planning Policy (Sydney Region Growth Centres) 2006 applied.
  - Appendix 7 or 10 of repealed State Environmental Planning Policy (State Significant Precincts) 2005 applied.
- State Environmental Planning Policy (Precincts – Western Parklands City) 2021 applies where:
  - Appendix 5 of repealed State Environmental Planning Policy (Sydney Region Growth Centres) 2006 applied.
  - Sydney Regional Environmental Plan No 30—St Marys applied.
  - State Environmental Planning Policy (Western Sydney Parklands) 2009 applied.
  - State Environmental Planning Policy (Western Sydney Aerotropolis) 2020 applied.
- State Environmental Planning Policy (Industry and Employment) 2021 applies where:
  - State Environmental Planning Policy (Western Sydney Employment Area) 2009 applied.

Any reference to repealed SEPPs listed above in this Certificate means either of the SEPPs identified above.

Note that the content of the repealed SEPPs has been transferred and has not changed.

Employment Land Zones Reforms

From 26 April 2023, *State Environmental Planning Policy Amendment (Land Use Zones) 2022* (829) applies.

Employment zones commence for land that is affected by Blacktown Local Environmental Plan 2015 on 26 April 2023.

From 26 April 2023, in a document (other than a State Environmental Planning Policy) a reference to a former zone under an environmental planning instrument is taken to include a reference to a new zone under the environmental planning instrument.

To determine the new zone for previously zoned Business and Industrial zoned land please refer to the published equivalent zones tables. https://www.planning.nsw.gov.au/-/media/Files/DPE/Plans-and-policies/Policy-and-legislation/Planning-reforms/equivalent-zones-tables-per-lep.pdf?la=en

The Department of Planning and Environment is currently reviewing the translation of employment zones for land that is zoned under a State Environmental Planning Policy.

Section 10.7 (2)

The following information is provided under Section 10.7(2) of the *Environmental Planning and Assessment Act 1979*. The information relates to the subject land at the date of this Certificate.

1. Relevant planning instruments and development control plans

1.1 Environmental planning instruments

The following environmental planning instruments apply to the carrying out of development on the land:

The subject land is zoned under State Environmental Planning Policy (Precincts - Central River City) 2021.

Attachment 1 contains a list of State Environmental Planning Policies that **may** apply to the carrying out of development on the subject land.

1.2 Development control plans

The following development control plans apply to the carrying out of development on the land:

Blacktown City Council Growth Centre Precincts Development Control Plan 2010 (Growth Centres DCP 2010) applies to the subject site.

The Growth Centres DCP 2010 applies to land where either of these State Environmental Planning Policies (SEPPs) apply: SEPP (Precincts - Central River City) 2021 or SEPP (Precincts - Western Parkland City) 2021 (formerly zoned under SEPP Sydney Region Growth Centres) 2006.

The Growth Centres DCP 2010 includes Schedules that contain additional development controls for the Precinct that the site is contained in. Refer to the relevant Schedule for those additional controls.

Note that Blacktown Development Control Plan 2015 generally does not apply to land that a Precinct Plan applies, except where specifically referred to in one of the above SEPPs or in the Growth Centres DCP 2010.
Blacktown City Council Growth Centre Precincts DCP - Schedule 8 - Riverstone East applies to the subject land.

1.3 Proposed environmental planning instruments

The following proposed environmental planning instruments apply to the carrying out of development on the land. They are or have been the subject of community consultation or on public exhibition under the *Environmental Planning and Assessment Act 1979*:

The following draft State Environmental Planning Policies (SEPPs) or Explanation of Intended Effects (EIE) are currently on exhibition or have been exhibited. For more information refer to https://www.planningportal.nsw.gov.au/draftplans.

- State Environmental Planning Policy (Sustainable Buildings) 2022

  On 29 August 2022, the NSW Government announced changes to the BASIX standards as part of the new this new policy, which will come into effect on 1 October 2023.

- Review of Clause 4.6

  The then NSW Department of Planning, Industry and Environment exhibited an Explanation of Intended Effect between 31 March and 12 May 2021 to review Clause 4.6 of the Standard Instrument Local Environmental Plan. The Department of Planning has indicated that this matter is currently under consideration.

- Amendment to the then State Environmental Planning Policy (State and Regional Development)

  The then NSW Department of Planning, Industry and Environment exhibited an Explanation of Intended Effect from 2 March to 16 March 2020 to amend State Environmental Planning Policy (State and Regional Development) 2011 to facilitate the efficient delivery of upgrades to existing water treatment facilities in NSW. The Department of Planning has indicated that this matter is currently under consideration.

- Amendment to the then Infrastructure State Environmental Planning Policy

  The then NSW Department of Planning, Industry and Environment exhibited and Explanation of Intended Effect from 20 November to 17 December 2020 to amend the Infrastructure SEPP related to health services facilities. The Department of Planning has indicated that this matter is currently under consideration.

- Amendment to the then State Environmental Planning Policy (Sydney Region Growth Centres) 2006

  The then NSW Department of Planning, Industry and Environment exhibited an Explanation of Intended Effect from 7 September to 28 September 2018 to amend State Environmental Planning Policy (Sydney Region Growth Centres) 2006. The Department of Planning has indicated that this matter is currently under consideration.

- Proposed State Environmental Planning Policy (Environment)

  The then NSW Department of Planning, Industry and Environment exhibited an Explanation of Intended Effect between 31 October 2017 and 31 January 2018 for the proposed Environment SEPP. The Department of Planning has indicated that this matter is currently under consideration.

1.4 Proposed development control plans

There are no proposed development control plans which apply to the carrying out of development on the land.

2. Zoning and land use under relevant environmental planning instruments

The following information will assist in determining how the subject land may be developed. It is recommended that you read this section in conjunction with a full copy of any relevant environmental planning instrument as there may be additional provisions that affect how the land may be developed.

2.1 Zoning

The following is the name(s) of the zone(s) under the environmental planning instrument(s) that applies to the land, including the purposes for which development in the zone(s):

(a) may be carried out without development consent, and

(b) may not be carried out except with development consent, and

(c) is prohibited:

Zone R2 Low Density Residential
Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent
Home occupations

3 Permitted with consent
Bed and breakfast accommodation; Business identification signs; Centre-based child care facilities; Community facilities; Drainage; Dual occupancies; Dwelling houses; Earthworks; Educational establishments; Environmental protection works; Exhibition homes; Exhibition villages; Group homes; Health consulting rooms; Home-based child care; Home businesses; Home industries; Neighbourhood shops; Places of public worship; Roads; Secondary dwellings; Semi-detached dwellings; Shop top housing; Studio dwellings; Veterinary hospitals

4 Prohibited
Any other development not specified in item 2 or 3

Zone RE1 Public Recreation

Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent

Nil

3 Permitted with consent

Building identification signs; Business identification signs; Community facilities; Drainage; Earthworks; Environmental facilities; Environmental protection works; Flood mitigation works; Kiosks; Recreation areas; Recreation facilities (indoor); Recreation facilities (outdoor); Roads; Water recycling facilities; Waterbodies (artificial)

4 Prohibited

Any development not specified in item 2 or 3.

Zone SP2 Infrastructure

Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent

Nil

3 Permitted with consent

The purpose shown on the Land Zoning Map, including any development that is ordinarily incidental or ancillary to development for that purpose; Drainage; Earthworks; Environmental protection works; Flood mitigation works; Roads; Water recycling facilities; Waterbodies (artificial)

4 Prohibited
Any other development not specified in item 2 or 3.

Zone R3 Medium Density Residential

Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent

Home occupations

3 Permitted with consent

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Business identification signs; Child care centres; Community facilities; Dual occupancies; Dwelling houses; Group homes; Manor homes; Multi dwelling housing; Neighbourhood shops; Places of public worship; Residential flat buildings; Respite day care centres; Semi-detached dwellings; Seniors housing; Shop top housing; Studio dwellings; Any other development not specified in item 2 or 4

4 Prohibited

Agriculture; Air transport facilities; Airstrips; Amusement centres; Boat repair facilities; Boat sheds; Business premises; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Depots; Entertainment facilities; Extractive industries; Freight transport facilities; Function centres; Helipads; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industries; Information and education facilities; Marinas; Mortuaries; Office premises; Passenger transport facilities; Public administration buildings; Recreation facilities (indoor); Recreation facilities (major); Recreation facilities (outdoor); Registered clubs; Restriction facilities; Retail premises; Rural industries; Rural supplies; Rural workers' dwellings; Service stations; Sex services premises; Signage; Storage premises; Tourist and visitor accommodation; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Waste or resource management facilities; Wholesale supplies

2.2 Zoning under draft Environmental Planning Instruments

The following is the name(s) of the zone(s) under the draft environmental planning instrument(s) that applies to the land, including the purposes for which development in the zone(s):

(a) may be carried out without development consent, and

(b) may not be carried out except with development consent, and

(c) is prohibited:

There is no zoning proposed under a draft environmental planning instruments that applies to the land

2.3 Additional permitted uses

The following outlines whether any additional permitted uses apply to the land:

Additional permitted uses may apply to the subject land in line with the following table. Note that section 1.1 of this Planning Certificate outlines if any of the below environmental planning instruments apply.

For more information, please refer to the relevant environmental planning instruments on the NSW Legislation website https://legislation.nsw.gov.au/.

Environmental planning instrument	Provisions - Additional permitted uses
Blacktown Local Environmental Plan 2015	Applies to certain land as outlined in clause 2.5.
State Environmental Planning Policy (Precincts—Central River City) 2021	Applies to certain land in the Huntingwood West Precinct, Greystanes Southern Employment Lands site, Riverstone West Precinct Plan, Alex Avenue and Riverstone Precinct Plan, Area 20 Precinct Plan, Schofields Precinct Plan, and Blacktown Growth Centres Precinct Plan.
State Environmental Planning Policy (Precincts – Western Parkland City) 2021	Applies to land in the Rouse Hill Regional Park, and to certain land in Marsden Park Industrial Precinct Plan.
State Environmental Planning Policy (Industry and Employment) 2021	Applies to certain land in the western Sydney employment area.

2.4 Minimum land dimensions for the erection of a dwelling house

The following outlines whether development standards apply to the land that fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions:

There are no minimum land dimensions for the erection of a dwelling house that apply to land under Blacktown Local Environmental Plan 2015. Dwelling outcomes are controlled by other mechanisms. Refer to Blacktown Local Environmental Plan 2015 for relevant development standards for minimum subdivision lot size, and Blacktown Development Control Plan 2015 for relevant development controls that apply.

The minimum land dimensions for the erection of a dwelling house located in the Sydney region growth centres and affected by State Environmental Planning Policy (Precincts – Central River City) 2021 and State Environmental Planning Policy (Precincts – Western Parkland City) 2021 is found in Part 4, Principal development standards of the relevant appendix.

For land affected by Chapter 6 St Marys of State Environmental Planning Policy (Precincts – Western Parkland City) 2021, the minimum land dimensions for a dwelling house are controlled by the St Marys Eastern Precinct and Ropes Creek Precinct Plans.

For more information, please access the relevant environmental planning instrument listed above at the NSW Legislation website: https://legislation.nsw.gov.au/

2.5 Biodiversity

The following outlines where the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*:

Refer to the Department of Planning and Environment's online tool, which outlines if the land is in an area of outstanding biodiversity value under the *Biodiversity Conservation Act 2016*. The tool is located at:
https://www.lmbc.nsw.gov.au/Maps/index.html?viewer=BOSETMap

2.6 Conservation area

The following outlines whether the land is in a conservation area:

a) Priority Conservation Land in the Blacktown local government area is generally located in the following locations:

- Bushland surrounding Prospect Reservoir, Prospect
- Plumpton Park, Plumpton
- Nurragingy Reserve, in Doonside/Rooty Hill/Glendenning
- Doctor Charles McKay Reserve, Mount Druitt
- Land adjoining Ropes Creek in Mount Druitt, Minchinbury and Eastern Creek
- Shanes Park woodland
- Wianamatta Regional Park, Ropes Crossing
- Bushland in Angus bounded generally by Walker Parade, Park Road, Charlotte Street, Robert Street, Ben Street and Penprase Street
- Bushland in Colebee to the north of the Westlink M7 and south of Sugarloaf Crescent, Colebee.

b) The Cumberland Plain Conservation Plan may apply to the site. Under the plan, there is land that is specified as 'certified urban capable land' where certain controls apply. There is also land specified as 'certified major transport corridor'.

The areas where the plan applies are:

- for 'certified urban capable land', certain land in the suburbs of Mount Druitt and Rooty Hill.
- for 'certified major transport corridors', the future Westlink M7 extension corridor generally to the north of Hassall Grove, Bidwill, Shalvey and Willmot, and through the Wianamatta Regional Park to the west of Ropes Crossing.

More information on land is affected by the Cumberland Plain Conservation Plan can be found on the Department of Planning and Environment website: https://www.planning.nsw.gov.au/Policy-and-Legislation/Strategic-conservation-planning/Cumberland-Plain-Conservation-Plan/Planning-controls

The Cumberland Plain Conservation Plan spatial viewer that visually shows the affected areas is also available online at: https://webmap.environment.nsw.gov.au/Html5Viewer4142/index.html?viewer=CPCP_View

2.7 Heritage

The following outlines where an item of environmental heritage, or proposed environmental heritage item, is located on the land:

The subject land is not affected by an item of environmental heritage or a proposed environmental heritage item.

3. Contributions plans

3.1 Contribution plans

The following outlines the name of each contributions plan under *the Environmental Planning and Assessment Act 1979*, Division 1 applying to the land:

Contributions Plan No. 20 - Riverstone and Alex Avenue Precincts applies to the subject land.
Contributions Plan No. 22L - Rouse Hill (Land) applies to the subject land.
Contributions Plan No. 22W - Rouse Hill (Works) applies to the subject land.

3.2 Draft contributions plans

The following outlines the name of each draft contributions plan under *the Environmental Planning and Assessment Act 1979*, Division 7.1 applying to the land:

Refer to Contributions plans section above to determine if any draft contributions apply.

3.3 Special contributions

The following outlines if the land is in a special contributions area under the *Environmental Planning and Assessment Act 1979*, Division 7.1 applying to the land:

The land may be in a Special Contribution Area as described below.

Land in the Growth Centres that are zoned under State Environmental Planning Policy (Precincts – Central River City) 2021 and State Environmental Planning Policy (Precincts – Western Parkland City) 2021, as specified in section 1.1 of this Planning Certificate, is in a Special Contribution Area, and will incur a Special Infrastructure Contribution.

You can find the map and other relevant information on the Special Contribution Area on the Department of Planning and Environment's website:
https://www.planning.nsw.gov.au/Plans-for-your-area/Infrastructure-funding/Special-Infrastructure-Contributions/Western-Sydney-Growth-Area-SIC

An interactive map is on the ePlanning Spatial Viewer under Layers > Development Control > Special Infrastructure Contributions at:
https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address

4. Complying development

4.1 Where complying development codes apply

The following outlines if the land is land on which complying development may be carried out under each of the development codes under State Environmental Planning Policy (Exempt and Complying Development Codes) 2008:

Council does not have enough information to determine if complying development can apply. For more information, please review the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008, available at:
www.legislation.nsw.gov.au

4.2 Variations to complying development codes

The following outlines if the complying development codes are varied under State Environmental Planning Policy (Exempt and Complying Development Codes) 2008, Clause 1.12, in relation to the land:

The complying development codes are not varied for the subject land under Schedule 3 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

5. Exempt development

5.1 Where exempt development codes apply

The following outlines if the land is on land on which exempt development may be carried out under State Environmental Planning Policy (Exempt and Complying Development Codes) 2008:

Council does not have enough information to determine if exempt development can apply. For more information, please review the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 available at: www.legislation.nsw.gov.au

5.2 Variations to exempt development codes

The following outlines if the exempt development codes are varied, under State Environmental Planning Policy (Exempt and Complying Development Codes) 2008, Clause 1.12, in relation to the land:

The exempt development codes are not varied for the subject land under Schedule 2 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

6. Affected building notices and building product rectification orders

6.1 Affected building notice in force

The following outlines if Council is aware of any affected building notice in force for the subject land:

As at the date of this Planning Certificate, Council is not aware of any affected building notice in force for the subject land.

6.2 Affected building rectification order in force

The following outlines if Council is aware of any affected building product rectification order in force for the subject land:

As at the date of this Planning Certificate, Council is not aware of any affected building product rectification order in force for the subject land.

6.3 Affected building rectification order – notice of intent

The following outlines if Council is aware of any outstanding notice of intention to make a building product rectification order for the subject land:

As at the date of this Planning Certificate, Council is not aware of any outstanding notice of intention to make a building product rectification order for the subject land.

7. Land reserved for acquisition

7.1 Current provisions

The following outlines whether an environmental planning instrument as described in section 1 makes provision for the acquisition of land by an authority of the state, as referred to in section 3.15 of the *Environmental Planning and Assessment Act 1979*:

The land may be reserved for acquisition by an authority of the state. It is reserved where it is located on the Land Reservation Acquisition map. This is an interactive map and can be found on the ePlanning Spatial Viewer under Layers > Principal Planning Layers > Land Reservation Acquisition Map at: https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address. (Turn off the 'zoning' layer under Layers > Principal Planning Layers > Land Zoning Map for ease of viewing).

There are also Land reservation acquisition maps under each of the following environmental planning instruments, which can be accessed on the NSW Legislation website at: https://legislation.nsw.gov.au/

- Blacktown Local Environmental Plan 2015
- State Environmental Planning Policy (Precincts—Central River City) 2021
- State Environmental Planning Policy (Precincts—Western Parkland City) 2021
- State Environmental Planning Policy (Industry and Employment) 2021 (but only where the site is in the Western Sydney employment area, as specified in Chapter 2).

Note that section 1.1 of this Planning Certificate outlines if any of the above environmental planning instruments apply.

7.2 Draft provisions

The following outlines whether a draft environmental planning instrument as described in section 1 makes provision for the acquisition of land by an authority of the state, as referred to in section 3.15 of the *Environmental Planning and Assessment Act 1979*:

A draft environmental planning instrument referred to in section 1 of this certificate may make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

8. Road widening and road realignment

The following outlines whether the land is affected by road widening or road realignment.

8.1 The Roads Act 1993 Part 3 Division 2

The subject land is not affected by road widening or road realignment under the Roads Act 1993 Part 3 Division 2.

8.2 An environmental planning instrument

The subject land is not affected by road widening or road realignment under an environmental planning instrument.

8.3 A resolution of the Council

The subject land is not affected by road widening or road realignment under any resolution of the Council.

9. Flood related development controls

The following outlines:

9.1 If the land or part of the land is within the flood planning area and subject to flood related development controls.

Yes/No

9.2 If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.

Yes/**No**

9.3 The flooding precincts are shown on Maps online, within the layer titled “Flooding Precincts”.

A link to this map can be found here: https://www.blacktown.nsw.gov.au/Plan-build/Stage-2-plans-and-guidelines/Online-planning-tools/BLEP-2015-Maps-online

They are based on results of engineering flood studies commissioned by Council or other government authorities. The information provided in this section is general advice based on results of engineering flood studies commissioned by Council or other government authorities. For more detailed flood information, please contact Council's Flooding Section and/or email Floodadvice@blacktown.nsw.gov.au

Adoption - Local Overland Flow Flood Study

On 22 May 2024, Council adopted the Blacktown Overland Flow Flood Study. The updated overland flow flood maps can be viewed here: https://blacktown.macrogis.com.au/flood/

Please be advised also that over time, the information on any section 10.7 planning certificate issued for land will be updated to reflect the updated overland flow affectation for that land, as adopted by Council on 22 May 2024.

Further information can be found here: https://www.blacktown.nsw.gov.au/Our-environment/Waterways/Flooding-in-the-Blacktown-local-government-area/Flood-studies

10. Council and other public authority policies on hazard risk restrictions

The following outlines whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of:

10.1 Land slip

Council does not have an adopted policy that restricts the development of the land because of the likelihood of land slip.

10.2 Bush fire

Council does not have an adopted policy that restricts the development of the land because of the likelihood of bush fire.

The Rural Fire Services’ ‘Planning for Bush Fire Protection 2019’provides development standards for designing and building on bush fire prone land in New South Wales. The document is available on the Rural Fire Service’s website at:

https://www.rfs.nsw.gov.au/plan-and-prepare/building-in-a-bush-fire-area/planning-for-bush-fire-protection

It is noted that the development control plan(s) referred to in Section 1 of this Planning Certificate may have provisions in relation to bush fire that are to be considered, where applicable.

10.3 Tidal inundation

Council does not have an adopted policy that restricts the development of the land because of the likelihood of tidal inundation.

10.4 Subsidence

Council does not have an adopted policy that restricts the development of the land because of the likelihood of subsidence.

10.5 Acid sulfate soils

Council does not have an adopted policy that restricts the development of the land because of the likelihood of acid sulfate soils.

10.6 Contamination

Council does not have an adopted policy that restricts the development of the land because of the likelihood of contamination.

Chapter 4, Remediation of land of the State Environmental Planning Policy (Resilience and Hazards) 2021 sets out provisions in relation to contamination. The document is available on the NSW Legislation website at: https://legislation.nsw.gov.au/.

Contaminated land planning guidelines are also available on the Environment Protection Authority's (EPA) website at https://www.epa.nsw.gov.au/-/media/epa/corporate-site/resources/clm/managing-contaminated-land-guidelines-remediation.pdf

It is noted that the development control plan(s) referred to in Section 1 of this Planning Certificate may have provisions in relation to contamination that are to be considered, where applicable.

10.7 Aircraft noise

Council does not have an adopted policy that restricts the development of the land because of the likelihood of aircraft noise.

10.8 Salinity

Council does not have an adopted policy that restricts the development of the land because of the likelihood of salinity.

It is noted that the development control plan(s) referred to in Section 1 of this Planning Certificate may have provisions in relation to salinity.

10.9 Coastal hazards

Council does not have an adopted policy that restricts the development of the land because of the likelihood of coastal hazards.

10.10 Sea level rise

Council does not have an adopted policy that restricts the development of the land because of the likelihood of sea level rise.

10.11 Other risks

Council has adopted an Asbestos Policy which may restrict development on the subject land. The Asbestos policy applies where land contains, or is likely to have contained in the past, buildings or structures that were erected prior to the banning of asbestos. The policy is available on Council's website: www.blacktown.nsw.gov.au

The Policy should be considered in the context of any other relevant NSW legislation and guidelines.

11. Bushfire prone land

The following outlines if any of the land is bush fire prone land, designated by the Commissioner of the NSW Rural Fire Service under section 10.3 of the *Environmental Planning and Assessment Act 1979*:

The subject land is identified on Council's Bush Fire Prone Land Map as being clear of any bushfire prone land.

12. Loose-fill asbestos insulation

The following outlines if the land includes residential premises, within the meaning of the *Home Building Act 1989*, Part 8, Division 1A, that are listed on the Register kept under that Division:

As at the date of this Planning Certificate, the land to which this certificate relates has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation. Contact NSW Fair Trading on 13 32 20 or visit the website for more information at https://www.fairtrading.nsw.gov.au/

13. Mine subsidence

The land is not in an area proclaimed to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

14. Paper subdivision information

14.1 Development plan adopted

The following outlines whether a development plan has been adopted by a relevant authority that applies to the land:

The land is not subject to a development plan adopted by a relevant authority.

14.2 Development plan adopted – subject to ballot

The following outlines whether a development plan has been adopted by a relevant authority that is proposed to be subject to a ballot, and if so, the name of the plan:

The land is not subject to a development plan that has been adopted by a relevant authority that is proposed to be subject to a ballot.

14.3 Subdivision order

The following outlines if a subdivision order applies to the land, and if so, the date of the subdivision order:

The land is not subject to a subdivision order.

15. Property vegetation plans

There is no land in the local government area that is subject to an approved Property vegetation plan, which is in force under the Part 4 of the *Native Vegetation Act 2003*.:

16. Biodiversity stewardship sites

The following outlines if the land is subject to a Biodiversity stewardship agreement under the *Biodiversity Conservation Act 2016*:

Council has not been notified that the land is subject to a biodiversity stewardship agreement under the *Biodiversity Conservation Act 2016*.

17. Biodiversity certified land

The following outlines if the land is biodiversity certified land under the Part 8 of the *Biodiversity Conservation Act 2016*.

Note: Biodiversity certified land includes land certified under Part 7AA of the *Threatened Species Conservation Act 1995*, that is taken to be certified under Part 8 of the *Biodiversity Conservation Act 2016*.

All or part of the land is biodiversity certified land under the Biodiversity Conservation Act 2016.

18. Orders under Trees (Disputes Between Neighbours) Act 2006

The following outlines whether Council has been notified of an order that has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land:

Council has not been notified of an order under the Act in respect of tree(s) on the land. Council has not verified whether any order has been made of which it has not been notified. The applicant should make its own enquiries in this regard if this is a matter of concern.

Trees (Disputes Between Neighbours) Act 2006 decisions by local government area can be found on the Land and Environment Court of New South Wales website at: https://www.lec.nsw.gov.au/lec/types-of-cases/class-2---tree-disputes-and-local-government-appeals/development-application-appeals/helpful-materials/merit-decisions-by-local-government-areas.html

19. Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

According to Council's records the owner (or previous owner) of the land **has not** consented in writing to the land being subject to annual charges for coastal protection services relating to existing coastal protection works (within the meaning of section 496B of the *Local Government Act 1993*).

20. Western Sydney Aerotropolis

The following outlines if, whether under Chapter 4 of the State Environmental Planning Policy (Precincts—Western Parkland City) 2021, the land is:

20.1 In a contour of 20 or greater, as shown on the Noise exposure contour map or Noise exposure forecast contour map

This does not apply to any land in the Blacktown local government area.

20.2 On the Lighting intensity and Wind shear map

This does not apply to any land in the Blacktown local government area.

20.3 On the Obstacle limitation surface map

The land may be shown on the Obstacle limitation surface map. This applies to some areas in the suburbs of Prospect (around Prospect Reservoir), Eastern Creek, Minchinbury, and small areas of Bungarribee and Mount Druitt. For more information refer to the Obstacle limitation surface map on the NSW Legislation website: https://www.planningportal.nsw.gov.au/publications/environmental-planning-instruments/state-environmental-planning-policy-precincts-western-parkland-city-2021

20.4 On the Public safety area map:

This does not apply to any land in the Blacktown local government area.

20.5 In the '3 kilometre' or '13 kilometre' wildlife buffer zone on the Wildlife buffer zone map:

The 3 kilometre wildlife buffer zone does not apply to any land in the Blacktown local government area.

The land may be in the '13 kilometre wildlife buffer zone' on the Wildlife buffer zone map. This applies primarily to some industrial areas of Eastern Creek and some parts of Minchinbury and Mount Druitt.

An interactive map is available on the ePlanning Spatial Viewer under Layers > State Environmental Planning Policies > SEPP (Precincts – Western Parkland City) 2021 > SEPP (Western Sydney Aerotropolis) 2020 > Wildlife Buffer Zone https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address. (Turn off the 'zoning' layer under Layers > Principal Planning Layers > Land Zoning Map for ease of viewing).

21. Development consent conditions for seniors housing

The following outlines whether or not Chapter 3, Part 5 of the State Environmental Planning Policy (Housing) 2021 applies to the land, and if so, any conditions of a development consent granted after 11 October 2007 in relation to the land that are of the kind set out in section 88(2) of that policy:

- Council's records are currently incomplete in relation to this matter.
- Historically, if the site was to be used for the purposes of seniors housing, a restriction to that effect may have been placed on the land title under section 88B of the *Conveyancing Act 1919*. Please refer to the 88B Instrument for the site which can be accessed from NSW Land Registry Services to confirm if any such restrictions apply at: https://www.nswlrs.com.au/
- Alternatively, please review the relevant determinations that apply to the site. If required, a copy of the determinations can be obtained via an informal application under the *Government Information (Public Access) Act 2009.*

22. Site compatibility certificates and development consent conditions for affordable rental housing

22.1 Site compatibility certificate

The following outlines whether there is a current site compatibility certificate under State Environmental Planning Policy (Housing) 2021, or a former site compatibility certificate in relation to proposed development on the land, and if so, the period for which the certificate is current. Note that a copy may be obtained from the Department of Planning and Environment where this applies. For more information, visit the planning portal at: https://pp.planningportal.nsw.gov.au/SCC

A site compatibility certificate under *State Environmental Planning Policy (Housing) 2021*, or a former site compatibility certificate in relation to proposed development on the land, has not been issued.

22.2 SEPP Housing - conditions of consent

The following outlines if Chapter 2, Part 2, Division 1 or 5 of the State Environmental Planning Policy (Housing) 2021 applies to the land, and if so, any conditions of a development consent in relation to the land that are of a kind referred to in section 21(1) or 40(1) of that Policy:

- Council's records are currently incomplete in relation to this matter.
- Historically, if the site was to be used for the purposes of affordable rental housing, a restriction to that effect may have been placed on the land title under section 88B of the *Conveyancing Act 1919*. Please refer to the 88B Instrument for the site which can be accessed from NSW Land Registry Services to confirm if any such restrictions apply at: https://www.nswlrs.com.au/
- Alternatively, please review the relevant determinations that apply to the site. If required, a copy of the determinations can be obtained via an informal application under the *Government Information (Public Access) Act 2009.*

22.3 SEPP Affordable rental housing - conditions of consent

The following outlines if there are any conditions of a development consent in relation to land that are of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009, and if so, the conditions:

- Council's records are currently incomplete in relation to this matter.
- Historically, if the site was to be used for the purposes of affordable rental housing, a restriction to that effect may have been placed on the land title under section 88B of the *Conveyancing Act 1919*. Please refer to the 88B Instrument for the site which can be accessed from NSW Land Registry Services to confirm if any such restrictions apply at: https://www.nswlrs.com.au/
- Alternatively, please review the relevant determinations that apply to the site. If required, a copy of the determinations can be obtained via an informal application under the *Government Information (Public Access) Act 2009.*

23. Matters under the Contaminated Land Management Act 1997, section 59(2)

23.1 Significant contamination

The following outlines if the land, or part of the land, to which this certificate relates, is significantly contaminated land at the date when the certificate was issued:

As at the date of this Planning Certificate, Council is not aware of the land being significantly contaminated land. The NSW Environment Protection Authority's website records if the land is significantly contaminated land. For more information visit https://www.epa.nsw.gov.au/

23.2 Management order

The following outlines if the land to which this certificate relates is subject to a management order at the date when the certificate was issued:

As at the date of this Planning Certificate, Council is not aware of a management order applying to the site. The NSW Environment Protection Authority (EPA) website records if the land is subject to a management order. For more information visit https://www.epa.nsw.gov.au/

23.3 Voluntary management proposal

The following outlines if the land is the subject of an approved voluntary management proposal at the date when the certificate was issued:

As at the date of this Planning Certificate, Council is not aware of an approved voluntary management proposal applying to the site. The NSW Environment Protection Authority (EPA) website records if the land is subject to a voluntary management proposal. For more information visit https://www.epa.nsw.gov.au/

23.4 Maintenance order

The following outlines if the land to which the certificate relates is subject to an ongoing maintenance order:

As at the date of this Planning Certificate, Council is not aware of an ongoing maintenance order applying to the site. The NSW Environment Protection Authority (EPA) website records if the land is subject to an ongoing maintenance order. For more information visit https://www.epa.nsw.gov.au/

23.5 Site audit statement

The following outlines if the land to which the certificate relates is the subject of a site audit statement, and if a copy of such a statement has been provided at any time to Council:

- Council's records are currently incomplete in relation to this matter.
- If Council holds a copy of a Site Audit Statement (SAS) applying to the land, it will be found in the documents lodged with a development application for the land. If required, a copy of SAS related development application documents can be obtained via an informal application under the *Government Information (Public Access) Act 2009.*

Section 10.7(5)

The following information is provided under Section 10.7(5) of the *Environmental Planning & Assessment Act 1979*. As per section 10.7(6) of the Act, Council shall not incur any liability in respect of any advice provided in good faith under section 10.7(5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this Certificate.

1. Planning instruments and covenants

The provisions of any covenant, agreement or instrument applying to this land that restrict or prohibit certain development may be inconsistent with the provisions of an environmental planning instrument. In such cases, the provisions of any such covenant, agreement or instrument may be overridden.

2. Loose-filled asbestos insulation

Some residential homes located in the Blacktown local government area may potentially contain loose-fill asbestos insulation, for example in the roof space. NSW Fair Trading maintains a Register of homes that are affected by loose-fill asbestos insulation.

You should make your own enquiries as to the age of the buildings on the land to which this certificate relates and, if it contains a building constructed prior to 1980, Council strongly recommends that any potential purchaser obtain advice from a licensed asbestos assessor to determine whether loose-fill asbestos is present in any building on the land and, if so, the health risks (if any) this may pose for the building's occupants.

For more information contact NSW Fair Trading at: https://www.fairtrading.nsw.gov.au/contact-us

3. Asbestos containing materials

Older residential homes located in the Blacktown local government area may potentially be constructed with asbestos containing material, for example in the eaves, bathroom walls or external walls. Asbestos containing materials were phased out in the 1980s, but a total ban was not in effective until December 2003. NSW Government asbestos finder (https://www.asbestos.nsw.gov.au/asbestos-locations) has a database to assist in finding areas where asbestos containing materials have been used.

You should make your own enquiries as to the age of the buildings on the land to which this certificate relates and, if it contains a building constructed prior to 2003, Council strongly recommends that any potential purchaser obtain advice from a licensed asbestos assessor to determine whether asbestos containing material is present in any building on the land and, if so, the health risks (if any) this may pose for the building's occupants.

For more information contact SafeWork NSW at: https://www.safework.nsw.gov.au/contact-us

Attachment 1 – State Environmental Planning Policies

In addition to the principal environmental planning instrument identified in section 1.1 of this Certificate, the following State Environmental Planning Policies may also affect the development on the subject land.

State Environmental Planning Policy (Housing) 2021

The principles of this policy include to

- enable development of diverse housing types, including purpose-built rental housing
- encourage the development of housing that will meet the needs of housing that will meet the needs of low income, vulnerable and seniors and people with a disability
- ensure housing developments with reasonable level of amenity.

This policy is the consolidation of repealed policies including the Affordable Rental Housing SEPP (2009), Housing for Seniors SEPP (2004), SEPP No 21 Caravan Parks, SEPP 70 Affordable Housing.

Note that General savings provisions apply for the repealed instruments in line with Schedule 7 Savings and transitional provisions of the policy.

State Environmental Planning Policy (Building Sustainability Index (BASIX) 2004

This policy aims to ensure consistency in the implementation of the BASIX scheme throughout NSW by overriding provisions of other environmental planning instruments and development control plans that would otherwise add to, subtract from or modify any obligations arising under the BASIX scheme.

On 29 August 2022, the Department of Planning and Environment announced changes to the BASIX standards as part of the new State Environmental Planning Policy (Sustainable Buildings) 2022, which will come into effect on 1 October 2023.

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

This policy is also known as the Codes SEPP and includes a number of codes that allow for certain types of development to be undertaken without the need for Council approval. They are known as either Exempt development or Complying development, which allows for approval under a fast-track system, if the relevant standards are met.

State Environmental Planning Policy No 65 - Design Quality of Apartments

This policy aims to improve the design quality of residential apartment development through the application of 9 design quality principles. The policy also provides requirements for a constituted design review panel to provide independent expert advice to Council on the merit of residential flat developments. A design review panel is not mandatory.

State Environmental Planning Policy (Biodiversity and Conservation) 2021

This policy contains:

- planning rules and controls for the clearing of native vegetation in NSW on land zoned for urban and environmental purposes that is not linked to a development application
- the land use planning and assessment framework for koala habitat
- provisions that establish a consistent and co-ordinated approach to environmental planning and assessment along the River Murray
- provisions seeking to protect and preserve bushland within public open space zones and reservations
- provisions which aim to prohibit canal estate development
- provisions to support the water quality objectives for the Sydney drinking water catchment
- provisions to protect the environment of the Hawkesbury-Nepean River system
- provisions to manage and improve environmental outcomes for Sydney Harbour and its tributaries
- provisions to manage and promote integrated catchment management policies along the Georges River and its tributaries
- provisions which seek to protect, conserve and manage the World Heritage listed Willandra Lakes property.

State Environmental Planning Policy (Industry and Employment) 2021

This policy contains planning provisions:

- applying to employment land in western Sydney.
- for advertising and signage in NSW.

State Environmental Planning Policy (Planning Systems) 2021

This policy:

- identifies State or regionally significant development, State significant Infrastructure, and critical State significant infrastructure
- provides for consideration of development delivery plans by local Aboriginal land councils in planning assessment
- allows the Planning Secretary to elect to be the concurrence authority for certain development that requires concurrence under nominated State environmental planning policies.

State Environmental Planning Policy (Primary Production) 2021

This policy contains planning provisions:

- to manage primary production and rural development including supporting sustainable agriculture
- for the protection of prime agricultural land of state and regional significance as well as regionally significant mining and extractive resources.

State Environmental Planning Policy (Precincts - Central River City) 2021

This policy contains planning provisions for precinct planning, which is a form of strategic planning applied to a specified geographic area.

The precincts in this policy are within the Central River City. The Central River City is based the strategic planning vision of the 'three cities' regions identified in the Greater Sydney Region Plan – A Metropolis of Three Cities.

State Environmental Planning Policy (Precincts – Western Parkland City) 2021This policy contains planning provisions for precinct planning, which is a form of strategic planning applied to a specified geographic area.

The precincts in this policy are within the Western Parkland City.

The Western Parkland City is based the strategic planning vision of the 'three cities' regions identified in the Greater Sydney Region Plan – A Metropolis of Three Cities.

State Environmental Planning Policy (Resilience and Hazards) 2021

This policy contains planning provisions:

- for land use planning within the coastal zone, in a manner consistent with the objects of the *Coastal Management Act 2016*
- to manage hazardous and offensive development
- that provide a state-wide planning framework for the remediation of contaminated land and to minimise the risk of harm.

State Environmental Planning Policy (Resources and Energy) 2021

This policy contains planning provisions:

- for the assessment and development of mining, petroleum production and extractive material resource proposals in NSW
- that aim to facilitate the development of extractive resources in proximity to the population of the Sydney Metropolitan Area. It identifies land that contains extractive material of regional significance.

State Environmental Planning Policy (Transport and Infrastructure) 2021

This policy contains:

- planning provisions for infrastructure in NSW, such as hospitals, roads, railways, emergency services, water supply and electricity delivery
- planning provisions for child-care centres, schools, TAFEs and universities
- planning controls and reserves land for the protection of 3 transport corridors (North South Rail Line, South West Rail Link extension and Western Sydney Freight Line)
- the land use planning and assessment framework for appropriate development at Port Kembla, Port Botany and Port of Newcastle.

End of certificate

Appendix G Heritage Database Searches

©JBS&G Australia Pty Ltd

Search Results

3 results found.

Indigenous Place	Colebee, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Indigenous Place	Kellyville, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Schofields Aerodrome (former) Eastern Rd	Schofields, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)

Report Produced: Thu Aug 11 11:58:36 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Place Details

Send Feedback

Indigenous Place, Colebee, NSW, Australia

Photographs	None
List	Register of the National Estate (Non-statutory archive)
Class	Indigenous
Legal Status	Indicative Place
Place ID	18986
Place File No	1/14/005/0009

Statement of Significance Not Available

Official Values Not Available

Description Not Available

History Not Available

Condition and Integrity Not Available

Location Not Available

Bibliography Not Available

Report Produced Thu Aug 11 12:06:10 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Place Details

Send Feedback

Indigenous Place, Kellyville, NSW, Australia

Photographs	None
List	Register of the National Estate (Non-statutory archive)
Class	Indigenous
Legal Status	Indicative Place
Place ID	16089
Place File No	1/14/005/0005

Statement of Significance Not Available

Official Values Not Available

Description Not Available

History Not Available

Condition and Integrity Not Available

Location Not Available

Bibliography Not Available

Report Produced Thu Aug 11 12:06:28 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia

Place Details

Send Feedback

Schofields Aerodrome (former), Eastern Rd, Schofields, NSW, Australia

Photographs	None
List	Register of the National Estate (Non-statutory archive)
Class	Historic
Legal Status	Indicative Place
Place ID	103057
Place File No	1/14/005/0012

Statement of Significance Not Available

Official Values Not Available

Description Not Available

History Not Available

Condition and Integrity Not Available

Location

About 200ha, off Eastern Road, Schofields.

Bibliography

Godden Mackay Heritage Consultants "Schofields Aerodrome" nd.

Report Produced Thu Aug 11 12:00:22 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Search Results

2 results found.

Rouse Hill House Garden Windsor Rd	Rouse Hill, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Rouse Hill House including Stables and Outbuildings Windsor Rd	Rouse Hill, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)

Report Produced: Thu Aug 11 12:01:39 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Place Details

Send Feedback

Rouse Hill House Garden, Windsor Rd, Rouse Hill, NSW, Australia

Photographs	None
List	Register of the National Estate (Non-statutory archive)
Class	Historic
Legal Status	Registered (21/10/1980)
Place ID	2986
Place File No	1/14/005/0001

Statement of Significance

Rouse Hill has a strong claim to be the earliest intact colonial garden and is an exceptionally fine example of an early nineteenth century geometrically designed colonial garden. Significant features include lawns, orchard and kitchen garden in simple geometric shapes defined by brick edged gravel paths and olive hedges, with accents provided by feature trees. The garden has significance for its later nineteenth century features of summerhouse and arbour, mature trees, the old fiddle tree specimen (citharexylum SPINOSUM), and the olive and pelargonium border. The garden has aesthetic value for its structured scenery of spaces defined by mature trees; the simply styled summerhouse; and the overall feeling of the historical period which the garden evokes. The garden has some significance for the community as it is open to public and is used as an educational site.

Official Values Not Available

Description

The Garden was established by Richard Rouse, who was formerly overseer of public works at Parramatta. The garden has five distinct areas as follows: the entrance drive containing a late nineteenth century planting of scattered trees; the shrubbery and lawn, made up of a north facing rectangular sloping lawn with flanking shrubberies; the original orchard, now planted with exotics; the utility area between the house and outbuildings; and the vineyard. The summerhouse and potting shed were constructed c 1875. Remnant stumps of PINUS Pinea date from the Macquarie era.

History Not Available

Condition and Integrity

Sections neglected and turned to grazing for many years, however layout basically intact and capable of restoration. Structures (arbours, summerhouse, potting shed) in urgent need of restoration. Paths, edgings, second priority. As there is a marked overlay of late nineteenth century contributions on the early nineteenth century layout the restoration philosophy is most important.

Location

On the southern side of the Windsor Road opposite the Rouse Hill Primary School, Rouse Hill.

Bibliography

PHOTOBIBLIOGRAPHY: HISTORIC HOMESTEADS OF AUST. VOL.1-A.C.N.T.CASSELS, COLONIAL GARDENS - UNDERGRADUATE THESIS, SYDNEY UNIVERSITY - DEPT OF ARCH. 1969. T ALLEN, J BROADBENT, H TANNER. WINGATE PAPERS (PHOTOGRAPHS C.1860) - MITCHELL LIBRARY.

Report Produced Thu Aug 11 12:02:01 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Place Details

Send Feedback

Rouse Hill House including Stables and Outbuildings, Windsor Rd, Rouse Hill, NSW, Australia

Photographs	
List	Register of the National Estate (Non-statutory archive)
Class	Historic
Legal Status	Registered (21/03/1978)
Place ID	2985
Place File No	1/14/005/0001

Statement of Significance

Rouse Hill is one of the few extant large private dwellings to survive intact from the pre-1822 period. Additions have been sympathetic and in no way interfere with the Georgian quality of the original house. Continuous ownership by the descendants of Richard Rouse for a house of the highest importance. Built by Richard Rouse, 1810-20, who was in charge of the design and construction of public works at Parramatta.

(The Commission is in the process of developing and/or upgrading official statements for places listed prior to 1991. The above data was mainly provided by the nominator and has not yet been revised by the Commission.)

Official Values Not Available

Description

Rouse Hill, large two storey Georgian house with separate two storey brick service wing, offices forming an arcaded courtyard. Twenty-two rooms and staircase hall, service stair and two cellar rooms. The main house is built of sandstone with a slate roof. Timber floors, (kitchen, scullery, staircase, hall, arcaded verandah, flagged) and cedar joinery. The slab cow sheds were built in 1817; main house and single storey offices, 1810-20; bath house c 1858; verandah c 1858; service wings c 1863; arcades 1860s; stables 1876; summer house, unknown.

History Not Available

Condition and Integrity Not Available

Location

Including stables, other outbuildings and curtilage, Windsor Road, Rouse Hill.

Bibliography

AUSTRALIAN COUNCIL OF NATIONAL TRUSTS, "HISTORIC HOMESTEADS", VOL. 1.
FREELAND, M., "ARCHITECT EXTRAORDINARY: THE LIFE AND WORK OF JOHN HORBURY HUNT.

Report Produced Thu Aug 11 12:02:28 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Search Results

No results found.

Enter at least one search criterion.

Search Hints

Search | Reset form

Place name

Street name

Town or suburb: Riverstone

State: New South Wales

Country

Advanced search options

List: All Lists

Different lists will provide different status and class options

Local Government Area

Place ID number

Legal status: --All--

Class: --All--

Keyword Search

☑ Description ☑ Statement of Significance ☑ Place history

Latitude/Longitude

N

Latitude 1

Longitude 1 | S | Longitude 2

W | E | Latitude 2 | E **E**

S

S

○ Wholly within region

◉ Wholly or partially within region

Longitude coordinates should be entered as ddd.mm.ss

Latitude coordinates should be entered as dd.mm.ss

Map Ref No

1:100,000 eg 2357

1:250,000 eg SF-50-01

Search Hints

- Not all fields need to be filled in. The fewer you fill in the more results you will get.
- If you cannot find a place, check spelling and try alternative names. Reduce the number of words that you include and use fewer fields.
- The Local Government field used on its own will provide a comprehensive list of places in an area.

Report Produced: Thu Aug 11 12:01:08 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Search Results

No results found.

Enter at least one search criterion.

Search Hints

Search | Reset form

Place name

Street name

Town or suburb: Tallawong

State: New South Wales

Country

Advanced search options

List: All Lists

Different lists will provide different status and class options

Local Government Area

Place ID number

Legal status: --All--

Class: --All--

Keyword Search

☑ Description ☑ Statement of Significance ☑ Place history

Latitude/Longitude

N

Latitude 1

Longitude 1 | S | Longitude 2

W | E | Latitude 2 | E **E**

S

S

○ Wholly within region

◉ Wholly or partially within region

Longitude coordinates should be entered as ddd.mm.ss

Latitude coordinates should be entered as dd.mm.ss

Map Ref No

1:100,000 eg 2357

1:250,000 eg SF-50-01

Search Hints

- Not all fields need to be filled in. The fewer you fill in the more results you will get.
- If you cannot find a place, check spelling and try alternative names. Reduce the number of words that you include and use fewer fields.
- The Local Government field used on its own will provide a comprehensive list of places in an area.

Report Produced: Thu Aug 11 12:04:40 2022

Accessibility | Disclaimer | Privacy | © Commonwealth of Australia (cc) BY

Heritage Search Result

Date: 11/08/2022

Item Name	Location	LGA	SHR Id	Item Type	Record Owner
Hebe Farm	Bridge Street SCHOFIELDS NSW 2762	Blacktown		Complex / Group	GAZ

Heritage Search Result

Date: 11/08/2022

Item Name	Location	LGA	SHR Id	Item Type	Record Owner
Aberdoon House	39-41 Clower Avenue ROUSE HILL NSW 2155	The Hills		Built	LGOV
Bridge Structures	Below Windsor Road at Second Ponds Creek ROUSE HILL NSW 2155	The Hills		Unknown	LGOV
Christ Church Anglican Church	Windsor Road ROUSE HILL NSW 2155	The Hills		Built	GAZ
Christchurch	Windsor Road ROUSE HILL NSW 2155	The Hills		Built	LGOV
House	288 Annangrove Road ROUSE HILL NSW 2155	The Hills		Built	LGOV
Hunting Lodge (former)	The Water Lane ROUSE HILL NSW 2155	The Hills	00632	Built	HNSW
Hunting Lodge, Former	The Water Lane ROUSE HILL NSW 2155	The Hills		Unknown	GAZ
Mungerie	2 Civic Way ROUSE HILL NSW 2155	The Hills		Built	LGOV
Mungerie House	RMB 73 Windsor Road ROUSE HILL NSW 2155	The Hills		Built	SGOV
Private Burial Ground	Withers Road ROUSE HILL NSW 2155	The Hills		Complex / Group	LGOV
Queens Arms Inn Site	1 Resolution Place ROUSE HILL NSW 2155	The Hills		Unknown	LGOV
Rouse Hill Cemetery	10-12 Aberdour Avenue ROUSE HILL NSW 2155	The Hills		Complex / Group	LGOV
Rouse Hill House and Farm	Windsor Road ROUSE HILL NSW 2155	Blacktown	00002	Landscape	HNSW
Rouse Hill House Estate	980 Windsor Road ROUSE HILL NSW 2155	Blacktown		Complex / Group	LGOV
Rouse Hill Public School	Windsor Road ROUSE HILL NSW 2155	The Hills		Built	GAZ
Royal Oak Inn	2 Commercial Road ROUSE HILL NSW 2155	The Hills		Built	LGOV

Royal Oak Inn (former)	Windsor Road ROUSE HILL NSW 2155	The Hills	00698	Built	HNSW
Windsor Road from Baulkham Hills to Box Hill	Windsor Road BAULKHAM HILLS NSW 2153	The Hills		Unknown	LGOV

Heritage NSW

Heritage Search Result

Date: 11/08/2022

Item Name	Location	LGA	SHR Id	Item Type	Record Owner
Bicentennial Museum	81 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Brick Cistern	26 Market Street RIVERSTONE NSW 2765	Blacktown		Archaeological-Terrestrial	LGOV
Cassola	20 Riverstone Road RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Casuarina School - Building B00A	100 Garfield Road RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Casuarina School - Building B00A	100 Garfield Road RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Convent	166 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Eastern Creek Bridge	Garfield Road RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Farmhouse	Riverstone Road RIVERSTONE NSW 2765	Blacktown		Built	GAZ
Group of Workers' Cottages	23,25,27,29,31,33,37,39,43,45,47 &49 Richards Avenues RIVERSTONE NSW 2765	Blacktown		Complex / Group	LGOV
Hebe Farm	14 Bridge Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	169 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	17 George Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	25 King Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV

House	38 Park Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	7 Richards Avenue RIVERSTONE NSW 2765	Blacktown		Unknown	LGOV
House	Redgate Farm Road RIVERSTONE NSW 2765	Blacktown		Built	GAZ
House	41 Riverstone Road RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	38 Railway Terrace RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	27 King Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	122 Regent Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	42 Bourke RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	21 Church Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	17 Richards Avenue RIVERSTONE NSW 2765	Blacktown		Unknown	LGOV
House	22 West Parade RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	45 Bourke Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	66 Crown Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	52 Elizabeth Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House	64 Elizabeth Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
House & Shop	76 -78 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV

House & Slab Cottage	180 Garfield Road West RIVERSTONE NSW 2765	Blacktown		Complex / Group	LGOV
Nu Welwyn	4 Clarke Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Parrington Terrace	39 - 41A Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Police Station	Elizabeth Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Railway Station Group	Riverstone Parade RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Redgate - house and garden	20 Farm Road RIVERSTONE NSW 2765	Blacktown		Complex / Group	LGOV
Riverstone General Cemetery	Garfield Road West RIVERSTONE NSW 2765	Blacktown		Complex / Group	LGOV
Riverstone High School - Building B00M	71 McCulloch Street RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Riverstone High School - Building B00M	71 McCulloch Street RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Riverstone Police Station	Railway Terrace, Corner Elizabeth Street RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Riverstone Public School (former)	Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Riverstone Railway Station Group and Residence	Riverstone Parade RIVERSTONE NSW 2765	Blacktown	01237	Complex / Group	HNSW
Riverstone Railway Station Group and Residence	Riverstone Parade RIVERSTONE NSW 2765	Blacktown		Built	SGOV
Rosebank	Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	GAZ
Rosebank	213 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV

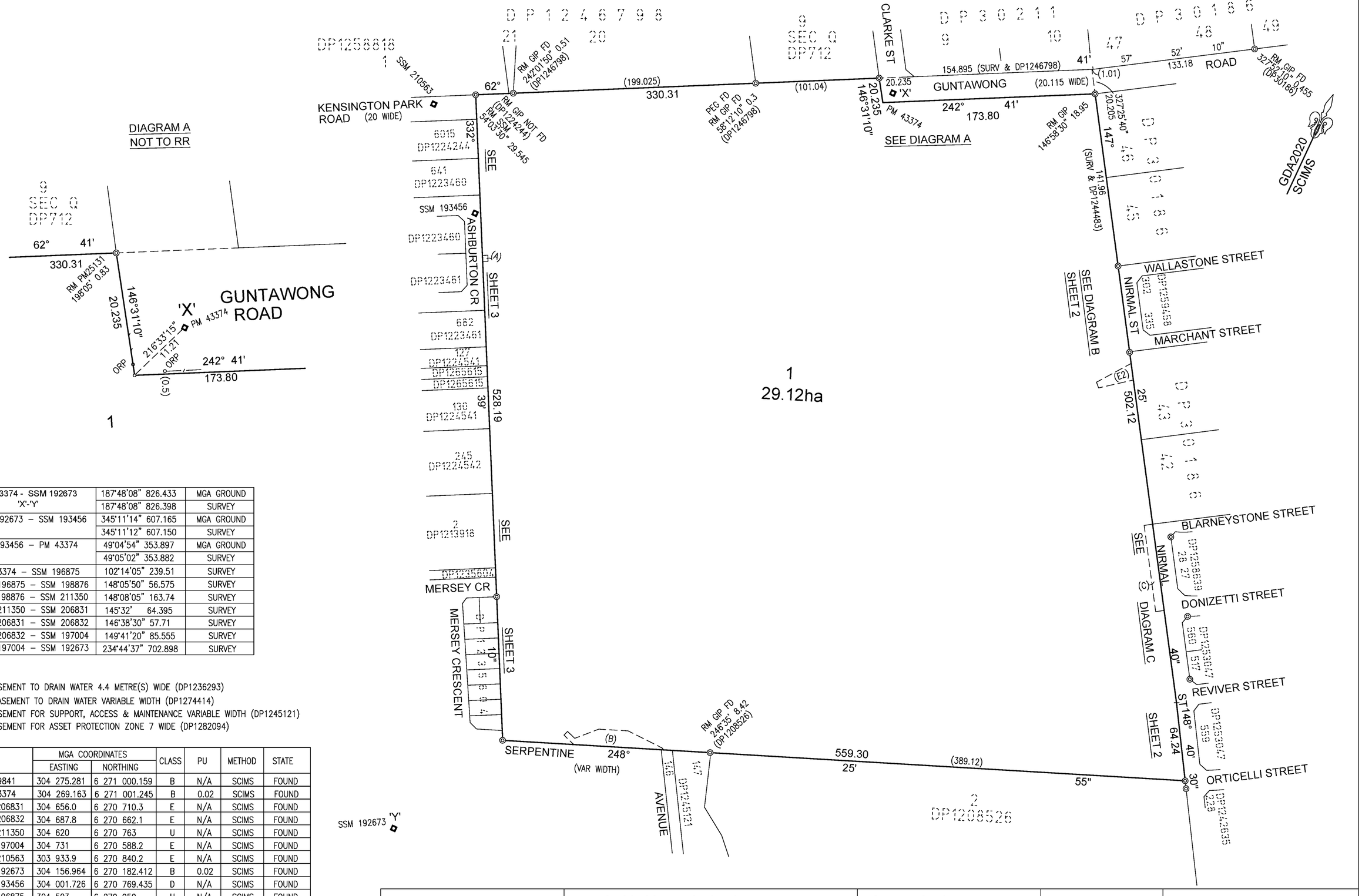
Shop	4 Garfield Road West RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Slab cottage in grounds of Riverstone High School	Regent Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
St Andrews Uniting Church	62 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
St Johns Catholic Church	164 Garfield Road East RIVERSTONE NSW 2765	Blacktown		Built	LGOV
St Pauls Anglican Church	19 Elizabeth Street RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Station Masters Residence (former)	Riverstone Parade RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Terraces	4 West Parade RIVERSTONE NSW 2765	Blacktown		Built	LGOV
War Memorial	Riverstone Parade RIVERSTONE NSW 2765	Blacktown		Built	LGOV
Warrawong	158 Riverstone Road RIVERSTONE NSW 2765	Blacktown		Unknown	LGOV

Appendix H Historical Land Titles

©JBS&G Australia Pty Ltd

InfoTrack

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2024 14:13 /Seq:1 of 8
© Office of the Registrar-General /Src:InfoTrack /Ref:john



PM 43374 - SSM 192673 'X'-'Y'	187°48'08" 826.433	MGA GROUND
	187°48'08" 826.398	SURVEY
SSM 192673 – SSM 193456	345°11'14" 607.165	MGA GROUND
	345°11'12" 607.150	SURVEY
SSM 193456 – PM 43374	49°04'54" 353.897	MGA GROUND
	49°05'02" 353.882	SURVEY
PM 43374 – SSM 196875	102°14'05" 239.51	SURVEY
SSM 196875 – SSM 198876	148°05'50" 56.575	SURVEY
SSM 198876 – SSM 211350	148°08'05" 163.74	SURVEY
SSM 211350 – SSM 206831	145°32' 64.395	SURVEY
SSM 206831 – SSM 206832	146°38'30" 57.71	SURVEY
SSM 206832 – SSM 197004	149°41'20" 85.555	SURVEY
SSM 197004 – SSM 192673	234°44'37" 702.898	SURVEY

(A) EASEMENT TO DRAIN WATER 4.4 METRE(S) WIDE (DP1236293)
(E2) EASEMENT TO DRAIN WATER VARIABLE WIDTH (DP1274414)
(B) EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE VARIABLE WIDTH (DP1245121)
(C) EASEMENT FOR ASSET PROTECTION ZONE 7 WIDE (DP1282094)

MARK	MGA COORDINATES EASTING	MGA COORDINATES NORTHING	CLASS	PU	METHOD	STATE
PM 29841	304 275.281	6 271 000.159	B	N/A	SCIMS	FOUND
PM 43374	304 269.163	6 271 001.245	B	0.02	SCIMS	FOUND
SSM 206831	304 656.0	6 270 710.3	E	N/A	SCIMS	FOUND
SSM 206832	304 687.8	6 270 662.1	E	N/A	SCIMS	FOUND
SSM 211350	304 620	6 270 763	U	N/A	SCIMS	FOUND
SSM 197004	304 731	6 270 588.2	E	N/A	SCIMS	FOUND
SSM 210563	303 933.9	6 270 840.2	E	N/A	SCIMS	FOUND
SSM 192673	304 156.964	6 270 182.412	B	0.02	SCIMS	FOUND
SSM 193456	304 001.726	6 270 769.435	D	N/A	SCIMS	FOUND
SSM 196875	304 503	6 270 950	U	N/A	SCIMS	FOUND
SSM 198876	304 533	6 270 902	U	N/A	SCIMS	FOUND

DATE OF SCIMS COORDINATES 28.03.2022 MGA ZONE 56 MGA DATUM GDA2020
Combined Scale Factor = 1.000062

SURVEYOR Name: ANNA ILONA PATERAK Date: 31.03.2022 Reference: 5182-DP	PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863	L.G.A.: BLACKTOWN Locality: TALLAWONG Reduction Ratio: 1:2000 Lengths are in metres	REGISTERED 17/11/2022	DP1283186

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2024 14:13 /Seq:2 of 8
© Office of the Registrar-General /Src:InfoTrack /Ref:john

DIAGRAM B

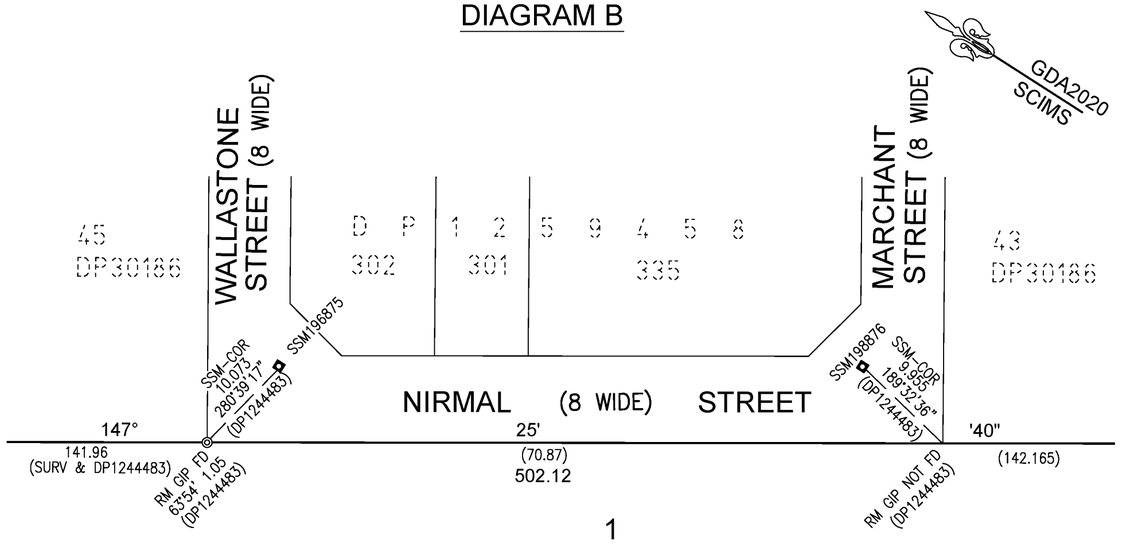
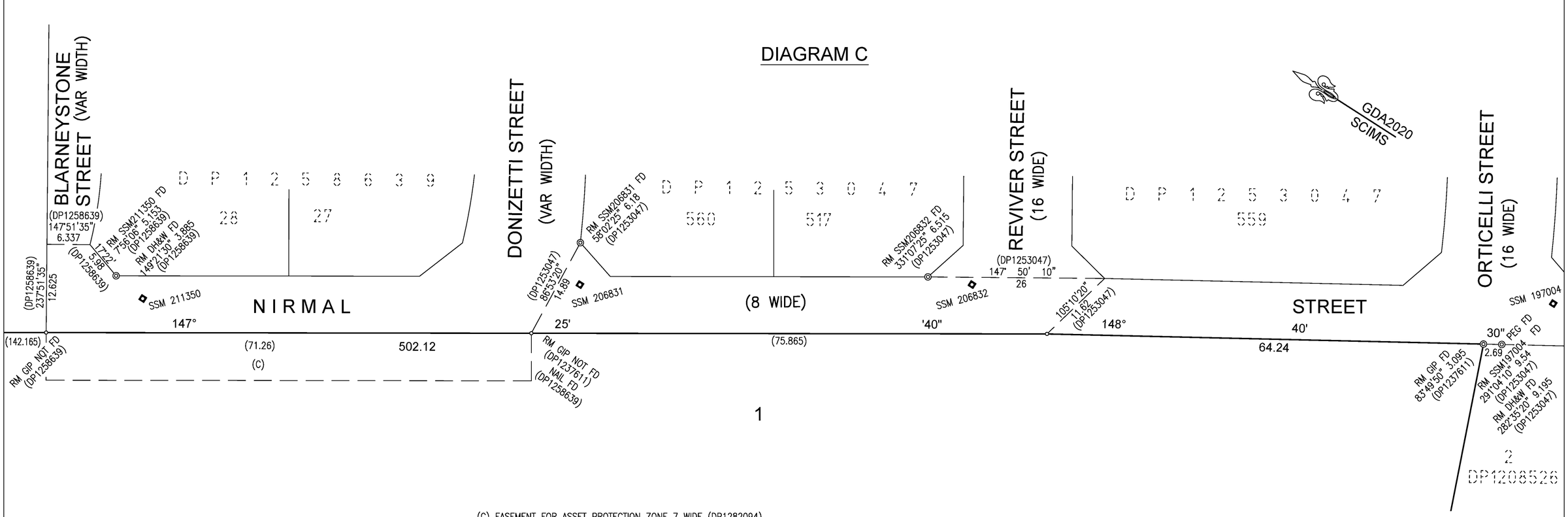
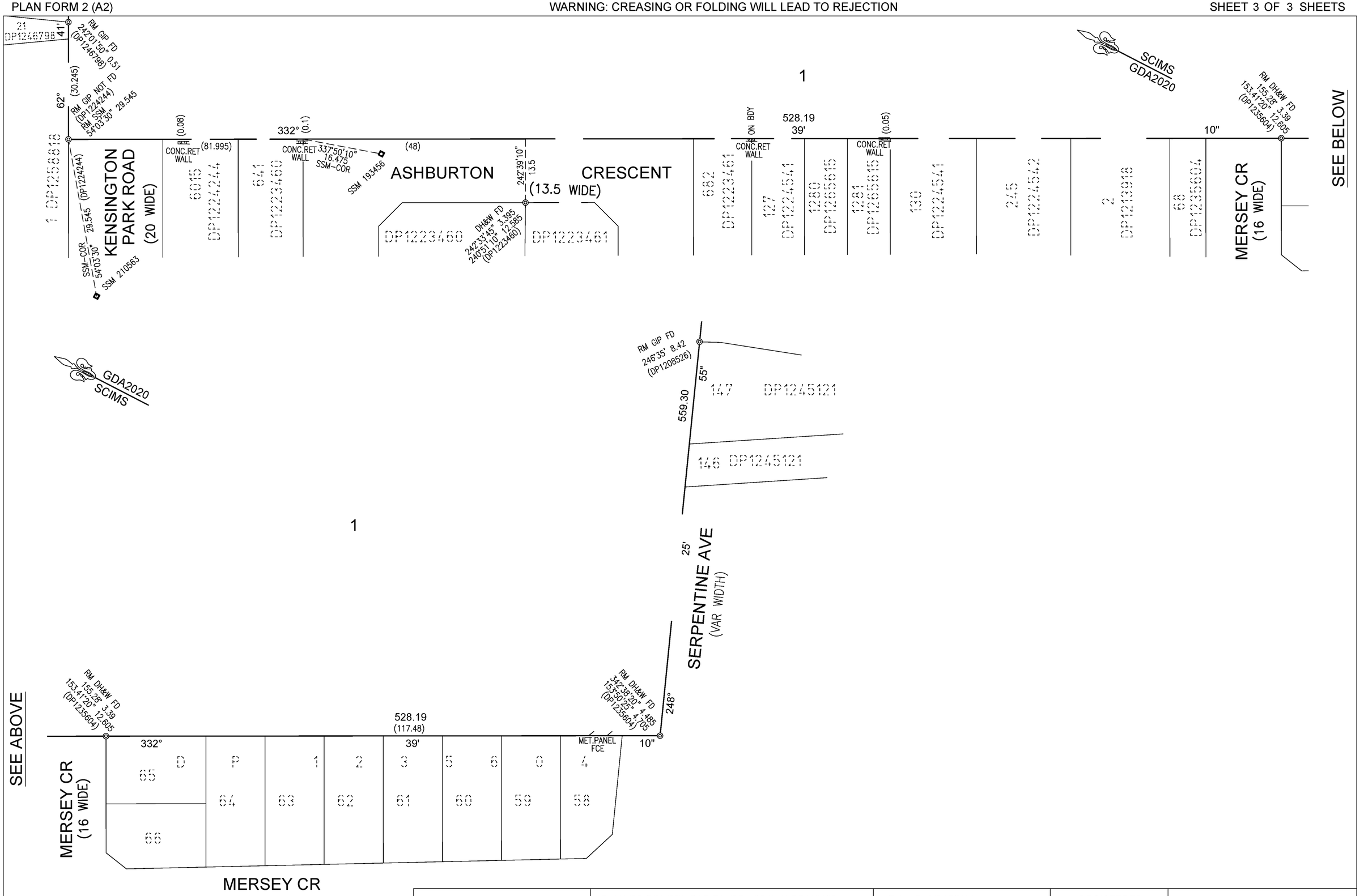


DIAGRAM C



(C) EASEMENT FOR ASSET PROTECTION ZONE 7 WIDE (DP1282094)

SURVEYOR Name: ANNA ILONA PATERAK Date: 31.03.2022 Reference: 5182-DP	PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863	L.G.A.: BLACKTOWN Locality: TALLAWONG Reduction Ratio: 1:400 Lengths are in metres	REGISTERED 17/11/2022	DP1283186



SURVEYOR Name: ANNA ILONA PATERAK Date: 31.03.2022 Reference: 5182-DP	PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863	L.G.A.: BLACKTOWN Locality: TALLAWONG Reduction Ratio: 1:500 Lengths are in metres	REGISTERED 17/11/2022	DP1283186

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2024 14:13 /Seq:3 of 8
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Plan Form 6_Digital (2021)

Deposited Plan Administration Sheet | Sheet 1 of 5

OFFICE USE ONLY

Registered 17/11/2022

Title System TORRENS

DP1283186

LGA BLACKTOWN

LOCALITY TALLAWONG

PARISH GIDLEY

COUNTY CUMBERLAND

PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863

Crown Lands NSW/Western Lands Office Approval

I, (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given.

Signature Date

File Number Office

Survey Certificate Survey

I, ANNA ILONA PATERAK of PROJECT SURVEYORS, LEVEL 4, 14 LEXINGTON DRIVE, BELLA VISTA NSW 2153 , a surveyor registered under Surveying and Spatial Information Act 2002, certify that:

The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation 2017, is accurate and the survey was completed on: 31/03/2022

Subdivision Certificate (Check One)

I, ☐ Authorised Person ☐ General Manager ☐ Registered Certifier

certify that the provisions of section 6.15 of the *Environmental Planning and Assessment Act 1979* have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.

Signature

Consent Authority

Date of Endorsement Subdivision Certificate Number

File Number

Urban/Rural

Urban

Datum Line

'X' -'Y'

Signature

Dated 31.03.2022

Surveyor Identification No. SU008988

Surveyor registered under the *Surveying and Spatial Information Act 2002.*

Plans Used in the preparation of this survey

See Sheet 2 for Plans Used

Statement of intention to dedicate public roads, create public reserves and drainage reserves, acquire/resume land.

Surveyor's Reference 5182-DP

Signatures, Seals and Section 88B Statements should appear on the following sheet(s)

Downloaded from NSW LRS Connect on 31/03/2022 08:55 AM

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Plan Form 6_Digital (2021)	**Deposited Plan Administration Sheet**	Sheet 2 of 5
Registered 17/11/2022 OFFICE USE ONLY	**DP1283186**	

PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863

Subdivision Certificate Number

Date of Endorsement

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses - See 60(c) *SSI Regulation 2017*
- Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919*
- Signatures and seals- see 195D *Conveyancing Act 1919*
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

Plans Used

DP416187, dp1208526, dp1213918, dp1223460, dp1223461, dp1224244, dp1224542, dp1235604, dp1236293, dp1237611, dp1242635, dp1245121, dp1246798, dp1253047, dp1258639, dp1258818, dp1259458, dp1265615, dp1274414, dp236422, dp271177, dp30186, dp30211, dp407863, dp416187

Surveyor's Reference 5182-DP

Downloaded from NSW LRS Connect on 31/03/2022 08:55 AM

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Plan Form 6_Digital (2021)	**Deposited Plan Administration Sheet**	Sheet 3 of 5
Registered 17/11/2022 OFFICE USE ONLY	**DP1283186**	

PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863

Subdivision Certificate Number

Date of Endorsement

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses - See 60(c) *SSI Regulation 2017*
- Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919*
- Signatures and seals- see 195D *Conveyancing Act 1919*
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

LOT NUMBER	SUB-ADDRESS NUMBER	ADDRESS NUMBER	ROAD NAME	ROAD TYPE	LOCALITY NAME
1		201	GUNTAWONG	ROAD	TALLAWONG

Surveyor's Reference 5182-DP

Downloaded from NSW LRS Connect on 31/03/2022 08:55 AM

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Plan Form 6_Digital (2021)	Deposited Plan Administration Sheet	Sheet 4 of 5
Registered 17/11/2022 OFFICE USE ONLY	DP1283186	
PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863	This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) *SSI Regulation 2017* • Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919* • Signatures and seals- see 195D *Conveyancing Act 1919* • Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.	
Subdivision Certificate Number Date of Endorsement		

REGISTERED PROPRIETOR EXECUTION

Signed by me as delegate of the Planning)
Ministerial Corporation (ABN 36 691 806 169) and)
I hereby certify that I have no notice of the)
revocation of such delegation in the presence of:)
)

.....	.....
Signature of Witness	Signature of Delegate
BENJAMIN WRIGHT	STEPHEN DENICK
Print name of Witness	Print Name of Delegate
12 DARCY STREET, PARRAMATTA	12 DARCY STREET, PARRAMATTA
Address of Witness NSW 2150	Address of Delegate NSW, 2150

Surveyor's Reference 5182-DP

Downloaded from NSW LRS Connect on 31/03/2022 08:55 AM

Req:R106021 /Doc:DP 1283186 P /Rev:17-Nov-2022 /NSW LRS /Prt:19-Sep-2
© Office of the Registrar-General /Src:InfoTrack /Ref:john

Plan Form 6_Digital (2021)	Deposited Plan Administration Sheet	Sheet 5 of 5
Registered 17/11/2022 OFFICE USE ONLY	DP1283186	
PLAN OF CONSOLIDATION OF LOT X IN DP416187 AND LOTS D & F IN DP407863	This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) *SSI Regulation 2017* • Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919* • Signatures and seals- see 195D *Conveyancing Act 1919* • Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.	
Subdivision Certificate Number Date of Endorsement		

REGISTERED PROPRIETOR EXECUTION

Signed by me as delegate of the Minister)
Administering The Environmental Planning And)
Assessment Act 1979)
(ABN))
and I hereby certify that I have no notice of the)
revocation of such delegation in the presence of:

.....	.....
Signature of Witness	Signature of Delegate
BENJAMIN WRIGHT	STEPHEN DENICK
Print name of Witness	Print Name of Delegate
12 DARCY STREET PARRAMATTA	12 DARCY STREET, PARRAMATTA
Address of Witness NSW 2150	Address of Delegate NSW, 2150

Surveyor's Reference 5182-DP

Downloaded from NSW LRS Connect on 31/03/2022 08:55 AM

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/1283186

SEARCH DATE	TIME	EDITION NO	DATE
19/9/2024	2:13 PM	1	17/11/2022

LAND

LOT 1 IN DEPOSITED PLAN 1283186
AT TALLAWONG
LOCAL GOVERNMENT AREA BLACKTOWN
PARISH OF GIDLEY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP1283186

FIRST SCHEDULE

MINISTER ADMINISTERING THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979
OF THE PART FORMERLY IN X/416187
PLANNING MINISTERIAL CORPORATION
OF THE PART FORMERLY IN 7652-117

SECOND SCHEDULE (5 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 DP1236293 EASEMENT TO DRAIN WATER 4.4 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
3 DP1245121 EASEMENT FOR SUPPORT, ACCESS AND MAINTENANCE VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
4 DP1274414 EASEMENT TO DRAIN WATER VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
5 DP1282094 EASEMENT FOR ASSET PROTECTION ZONE 7 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

john PRINTED ON 19/9/2024

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

Copyright © Office of the Registrar-General 2024

Received: 19/09/2024 14:13:03

scottASHWOOD PTY.LTD
An InfoTrack Company

ABN: 42 166 543 255
Ph: 02 9099 7400
Fax: 02 9232 7141

Level 14, 135 King Street, Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Summary of Owners Report

LPI **Sydney**

Address: Clarke Street, Schofields

Description: Lot X D.P. 416187and Lots E and F D.P. 407863

As regards Lot X D.P. 416187

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
19.11.1901 (1901 to 1948)	Edwin Stephen Rouse (Esquire)	Vol 1381 Fol 132
14.10.1948 (1948 to 1951)	Nina Beatrice Terry (Married Woman) (Application by Transmission not investigated)	Vol 1381 Fol 132 Now Vol 6736 Fol 171
17.04.1951 (1951 to 1953)	Albert Stevenson Ible (Farmer)	Vol 6736 Fol 171
29.10.1953 (1953 to 1960)	John Harold Ferguson (Motor Garage Proprietor)	Vol 6736 Fol 171 Now Vol 7652 Fol 50
13.10.1960 (1960 to 1963)	George Stanley Marshall (Farmer) Helen Margaret Marshall (Married Woman)	Vol 7652 Fol 50 Now Vol 8114 Fol 47
13.09.1963 (1963 to 1984)	Hoffmann Bros. Pty. Limited	Vol 8114 Fol 47
12.01.1984 (1984 to Date)	# Minister Administering the Environmental Planning and Assessment Act 1979	Vol 8114 Fol 47 Now X/416187

# Denotes Current Registered Proprietors

Easements & Leases: -NIL

scottASHWOOD PTY.LTD
An InfoTrack Company

ABN: 42 166 543 255
Ph: 02 9099 7400
Fax: 02 9232 7141

Level 14, 135 King Street, Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

As regards Lot E D.P. 407863

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
19.11.1901 (1901 to 1948)	Edwin Stephen Rouse (Esquire)	Vol 1381 Fol 132
14.10.1948 (1948 to 1951)	Nina Beatrice Terry (Married Woman) (Application by Transmission not investigated)	Vol 1381 Fol 132 Now Vol 6736 Fol 171
17.04.1951 (1951 to 1953)	Albert Stevenson Ible (Farmer)	Vol 6736 Fol 171
29.10.1953 (1953 to 1957)	John Harold Ferguson (Motor Garage Proprietor)	Vol 6736 Fol 171 Now Vol 6822 Fol 138
07.03.1957 (1957 to 1963)	George Stanley Marshall (Farmer) Helen Margaret Marshall (Married Woman)	Vol 6822 Fol 138 Now Vol 7652 Fol 117
13.09.1963 (1963 to 1984)	Hoffmann Bros. Pty. Limited	Vol 7652 Fol 117
12.01.1984 (1984 to Date)	# Minister Administering the Environmental Planning and Assessment Act 1979	Vol 7652 Fol 117 Now Auto Consol 7652-117

# Denotes Current Registered Proprietors

Easements & Leases: -NIL

As regards the part tinted green on attached Cadastre

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
19.11.1901 (1901 to 1948)	Edwin Stephen Rouse (Esquire)	Vol 1381 Fol 132
14.10.1948 (1948 to 1951)	Nina Beatrice Terry (Married Woman) (Application by Transmission not investigated)	Vol 1381 Fol 132 Now Vol 6736 Fol 171
17.04.1951 (1951 to 1957)	Albert Stevenson Ible (Farmer)	Vol 6736 Fol 171 Now Vol 6822 Fol 137
07.03.1957 (1957 to 1963)	George Stanley Marshall (Farmer) Helen Margaret Marshall (Married Woman)	Vol 6822 Fol 137 Now Vol 7652 Fol 117
13.09.1963 (1963 to 1984)	Hoffmann Bros. Pty. Limited	Vol 7652 Fol 117
12.01.1984 (1984 to Date)	# Minister Administering the Environmental Planning and Assessment Act 1979	Vol 7652 Fol 117 Now Auto Consol 7652-117

# Denotes Current Registered Proprietors

Easements: -

- 25.10.2017 (D.P. 1236293) – Easement to Drain Water 4.4 metre (s) wide

Leases: -NIL

Yours Sincerely
James McDonnell
26 October 2017

NSW Land & Property Information

Cadastral Records Enquiry Report

Requested Parcel : Lot F DP 407863

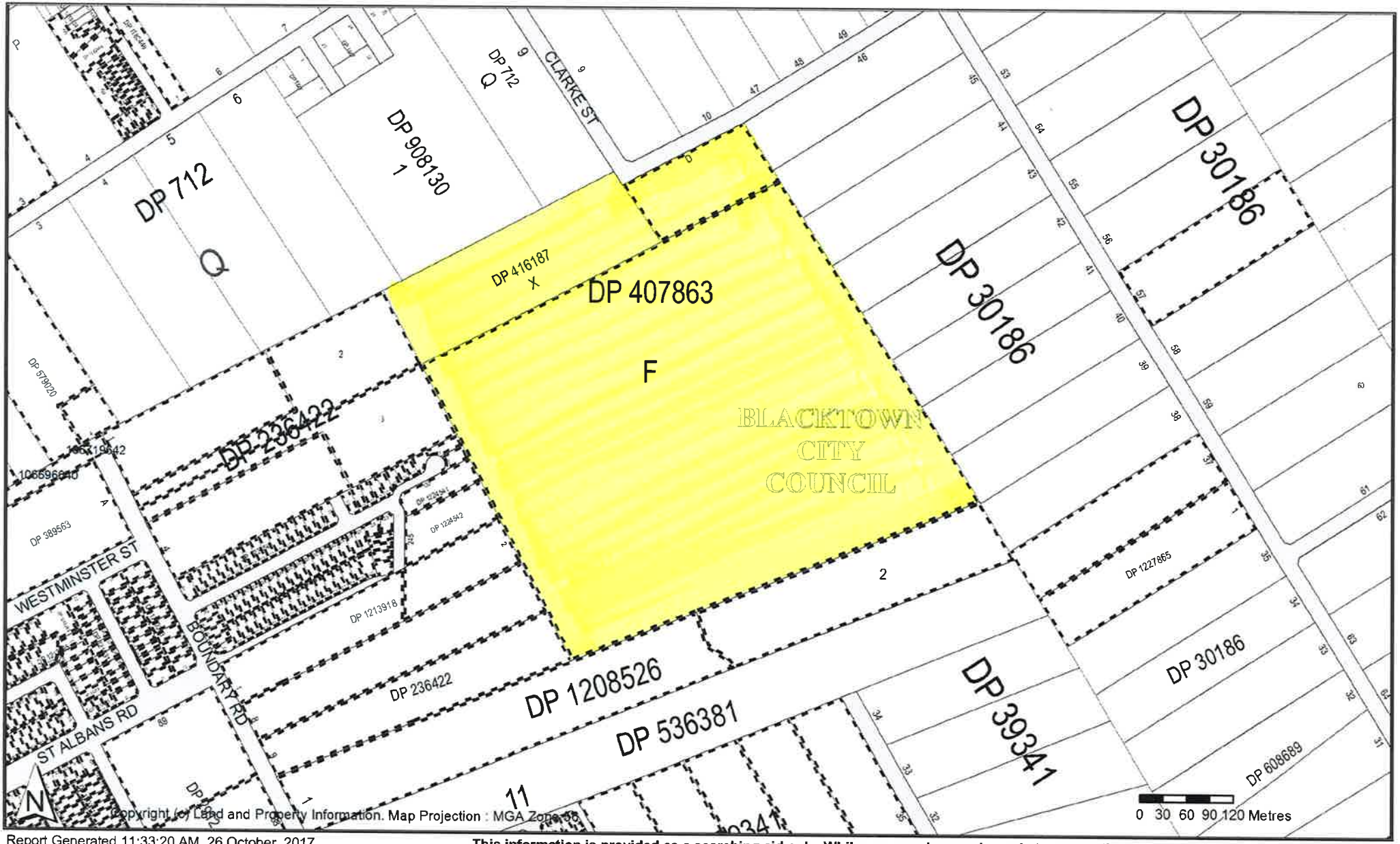
Identified Parcel : Lot F DP 407863

Locality : SCHOFIELDS

LGA : BLACKTOWN

Parish : GIDLEY

County : CUMBERLAND



Copyright (c) Land and Property Information. Map Projection : MGA Zone 56

Report Generated 11:33:20 AM, 26 October, 2017

Copyright © Land and Property Information ABN: 23 519 493 925

This information is provided as a searching aid only. While every endeavour is made to ensure the current cadastral pattern is accurately reflected, the Registrar General cannot guarantee the information provided. For all ACTIVITY PRIOR to SEPT 2002 you must refer to the RGs Charting and Reference Maps.

Req:R592256 /Doc:DP 0407863 P /Rev:16-Nov-1992 /Sts:OK.OK /Pgs:ALL /Prt:26-Oct-2017 11:20 /Seq:1 of 1
Ref:rouse hill /Src:M

APPROPRIATE AREA AND ADDITIONAL MATTER TO PLAN IN REGISTERED DEALING'S OFFICE.

I, Bruce Richard Davies, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 10th day of April, 1980

1

CONVERSION TABLE ADDED IN DEPARTMENT OF LANDS

DP 407863

FEET	INCHES	METRES
66	-	20.117
66	6 1/8	20.272
95	8 1/4	29.166
210	8 1/4	64.218
285	2 1/2	86.932
349	5 1/8	106.505
349	9 1/8	106.607
350	-	106.680
352	8 1/2	107.506
382	4	116.535
454	10 3/8	138.643
502	5 1/2	153.149
559	9	170.612
568	11 5/8	173.422
594	9	181.280
1326	2	404.216
1326	10	404.419
1361	6	414.985
1382	4	421.335
1687	7	514.375
1736	3 1/4	529.215
1836	-	559.613
1836	3 1/4	559.695
2409	2 3/4	734.339
2454	8	748.182

AC	RD	P	HA
3	2	28 3/4	1.489
3	3	4 3/4	1.53
19	2	6 1/2	7.9
40	-	-	16.19
59	1	9 1/2	24

H 143451

~~C 914027~~

H143451

FP407863

Plan Form No.7 (For completion)

Municipality of Shire of Blacktown

PLAN
OF SUBDIVISION OF
LAND COMPRISED IN CERTIFICATES OF TITLE Vol.6822 Fols.137 & 138

Parish of Gidley County of Cumberland

Scale :- 400 Feet to an Inch.

Plan of Subdivision (R.P.) No. 107863

PLAN IN F901549

B

D

Secs

CLARKE ST. (20 wide)

F

59a. In. 9ep.

PLAN 2 IN

C

E

40a.

D.P. 712

Sec. G

19a. 2n. 6ep.

F965378

Notes:-
Right of Way appurtenant to Lot B in plan annexed to Instrument of Transfer No. F901549 now also to be appurtenant to Lot C.

It is intended to consolidate Lot D with Lot F.

It is intended to dedicate the aforementioned Right of Way to the Public for Road purposes and continuation of Clarke St.

BOUNDARY (Variable width) ROAD

I hereby ... under the Common Seal of the Council of the ... of Blacktown, conditionally upon ... Lots B and F being consolidated into one Lot, ... part of Right-of-Way (X) being dedicated to the ... for road and continuation of Clarke Street.

Published in ... I certify that this plan has been compiled from the information in accordance with the provisions of F901549 and F965378 and is correct.

Sec.327 of the Local Government Act, 1919, as amended.

Shire Clerk.

Council's Minute No.138.
29th Jany.1957.Plan No.1944.

Surveyor registered under Surveyors Act, 1929-48.

This is the plan marked "A" referred to in ... Dated.

DP 814583 28/8/57

InfoTrack
An Approved LPI NSW
Information Broker

Historical Title

Information Provided Through
John McLaren & Co (NSW)
Ph. 02 9231 4872 Fax. 02 9233 6557

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE
18/10/2017 1:51PM

FOLIO: X/416187

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 8114 FOL 17

Recorded	Number	Type of Instrument	C.T. Issue
31/8/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
11/10/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
25/10/1995	0610938	CHANGE OF NAME	EDITION 1

*** END OF SEARCH ***

rouse hill PRINTED ON 18/10/2017

InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

InfoTrack
An Approved LPI NSW
Information Broker

Title Search

Information Provided Through
John McLaren & Co (NSW)
Ph. 02 9231 4872 Fax. 02 9233 6557

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: X/416187

SEARCH DATE	TIME	EDITION NO	DATE
26/10/2017	11:12 AM	1	25/10/1995

LAND

LOT X IN DEPOSITED PLAN 416187
LOCAL GOVERNMENT AREA BLACKTOWN
PARISH OF GIDLEY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP416187

FIRST SCHEDULE

MINISTER ADMINISTERING THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (CN 0610938)

SECOND SCHEDULE (1 NOTIFICATION)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

NOTATIONS

NOTE: THE CERTIFICATE OF TITLE FOR THIS FOLIO OF THE REGISTER DOES NOT INCLUDE SECURITY FEATURES INCLUDED ON COMPUTERISED CERTIFICATES OF TITLE ISSUED FROM 4TH JANUARY, 2004. IT IS RECOMMENDED THAT STRINGENT PROCESSES ARE ADOPTED IN VERIFYING THE IDENTITY OF THE PERSON(S) CLAIMING A RIGHT TO DEAL WITH THE LAND COMPRISED IN THIS FOLIO.

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

InfoTrack
An Approved LPI NSW
Information Broker

Historical Title

Information Provided Through
John McLaren & Co (NSW)
Ph. 02 9231 4872 Fax. 02 9233 6557

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE
26/10/2017 11:23AM

FOLIO: AUTO CONSOL 7652-117

Recorded	Number	Type of Instrument	C.T. Issue
16/10/1992		CONSOL HISTORY RECORD CREATED FOR AUTO CONSOL 7652-117 PARCELS IN CONSOL ARE: D/407863, F/407863.	
25/10/1995	O610938	CHANGE OF NAME	EDITION 1
25/10/2017	DP1236293	DEPOSITED PLAN	EDITION 2

*** END OF SEARCH ***

rouse hill

PRINTED ON 26/10/2017

InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

InfoTrack
An Approved LPI NSW
Information Broker

Title Search

Information Provided Through
John McLaren & Co (NSW)
Ph. 02 9231 4872 Fax. 02 9233 6557

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: AUTO CONSOL 7652-117

SEARCH DATE	TIME	EDITION NO	DATE
26/10/2017	11:12 AM	2	25/10/2017

LAND

LAND DESCRIBED IN SCHEDULE OF PARCELS
LOCAL GOVERNMENT AREA BLACKTOWN
PARISH OF GIDLEY COUNTY OF CUMBERLAND
TITLE DIAGRAM DP407863

FIRST SCHEDULE

MINISTER ADMINISTERING THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 (CN 0610938)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 DP1236293 EASEMENT TO DRAIN WATER 4.4 METRE(S) WIDE AFFECTING THE PART(S) OF LOT F IN DP407863 SHOWN SO BURDENED IN DP1236293

NOTATIONS

UNREGISTERED DEALINGS: NIL

SCHEDULE OF PARCELS

LOT D IN DP407863
LOT F IN DP407863.

*** END OF SEARCH ***

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

Appendix I SafeWork Dangerous Goods Search

©JBS&G Australia Pty Ltd

NSW GOVERNMENT | SafeWork NSW

Locked Bag 2906, Lisarow NSW 2252
Customer Experience 13 10 50
ABN 81 913 830 179 | www.safework.nsw.gov.au

Our Ref: D17/235360
Your Ref: Rohan Hammond

1 November 2017

Attention: Rohan Hammond
JBS & G
Level 1
50 Margaret St
Sydney NSW 2000

Dear Mr Hammond

RE SITE: Lot X DP 416187, Lots D & F DP 407863 Guntawong Rd Schofields NSW

I refer to your site search request received by SafeWork NSW on 27 October 2017 requesting information on Storage of Hazardous Chemicals for the above site.

A search of the records held by SafeWork NSW has not located any records pertaining to the above mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely

Customer Service Officer
Customer Experience - Operations
SafeWork NSW

Appendix J Field Logs

©JBS&G Australia Pty Ltd

GROUNDWATER WELL GW02

PROJECT NUMBER 62343	**DRILLING COMPANY** RIGS	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 20-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** N/A
ADDRESS	**TOTAL DEPTH** 7.6 m bgl	**COORD SOURCE**
	DIAMETER 50	**LOGGED BY** Milad Noujaim
COMPLETION Monument	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 4.6 - 7.6 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA			0		Fill	Fill - Silty CLAY, Dark Brown / Grey, heterogeneous, dry, medium plasticity, firm	DR	GW02_0.20-0.30		No Odours, Staining or Asbestos.
					Fill	Fill - Gravelly SAND, Brown / Red, heterogeneous, moist, loose, Inclusions of brick and tile fragments	M			No Odours, Staining or Asbestos.
			0.5		Fill	Fill - Gravelly SAND, Brown / Red, heterogeneous, wet, loose, Inclusions of brick and tile fragments	M	GW02_1.00-1.10		No Odours, Staining or Asbestos.
			1							
			1.5							
			2		CL	Natural - Shalely CLAY, Grey, homogenous, dry, high plasticity, very stiff	DR			No Odours, Staining or Asbestos.
			2.5							
			3							
			3.5							
			4							
			4.5					GW02_4.40-4.50		
			5							
			5.5							
			6					GW02_6.00-6.10		
			6.5							
			7							
			7.5							End of hole 7.6 mbgs - refusal.
						Termination Depth at: 7.60 m.				
			8							
			8.5							
			9							
			9.5							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 07 Oct 2022

TEST PIT TP120

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, damp, low plasticity, soft	DP	TP120_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-ML	Natural - silty CLAY, Brown / Red, homogenous, damp, medium plasticity, firm	DP	TP120_0.30-0.40		No Odours, Staining or Asbestos.
0.6					TP120_0.50-0.60		
			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP121

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, wet, low plasticity, firm	W	TP121_0.00-0.10 TP121_0.30-0.40		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Dark Red, homogenous, moist, medium plasticity, firm	M	TP121_0.50-0.60		No Odours, Staining or Asbestos.
0.6							
0.8			Termination Depth at: 0.70 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP127

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - sandy CLAY, Brown, heterogeneous, damp, medium plasticity, firm, Inclusions of rootlets, organic matter sandstone gravels and shale.	DP	TP127_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Brown, homogenous, damp, high plasticity, firm, Inclusions of rootlets.	DP	TP127_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP128

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0		Fill	Fill - sandy CLAY, Orange, heterogeneous, damp, medium plasticity, firm, Inclusions of roots, gravels and organic matter.	DP	TP128_0-0.1		No Odours, Staining or Asbestos.
0.2		CL-SC	Natural - sandy CLAY, Orange / Brown, homogenous, damp, high plasticity, firm, Inclusions of rootlets and shale.	DP			No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Brown, homogenous, damp, high plasticity, firm, Inclusions of shale and major inclusions of rootlets.	DP	TP128_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP129

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Light Brown, heterogeneous, moist, high plasticity, soft, Inclusions of rootlets.	M	TP129_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Red / Orange, homogenous, damp, high plasticity, stiff	DP	TP129_0.30-0.40	0.1	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP130

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of rootlets.	M	TP130_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Brown, homogenous, damp, medium plasticity, soft	DP	TP130_0.30-0.40		No Odours, Staining or Asbestos.
0.6		CL-ML	Natural - silty CLAY, Red / Brown, homogenous, damp, medium plasticity, firm	DP	TP130_0.50-0.60		No Odours, Staining or Asbestos.
0.8			Termination Depth at: 0.60 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP131

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, wet, medium plasticity, firm	W	TP131_0.00-0.10 TP131_0.30-0.40		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Orange / Red, homogenous, damp, medium plasticity, firm	DP	TP131_0.40-0.50		No Odours, Staining or Asbestos.
0.6							
0.8			Termination Depth at: 0.70 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP137

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty gravelly CLAY, Light Brown, heterogeneous, moist, low plasticity, firm, Inclusions of roots, gravels and organic matter.	M	TP137_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange, homogenous, damp, high plasticity, firm, Inclusions of rootlets.	DP	TP137_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP138

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, medium plasticity, soft	DP	TP138_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Yellow, homogenous, damp, high plasticity, firm	DP	TP138_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP139

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of rootlets.	M	TP139_0.00-0.10	0.2	Topsoil. No odours, staining nor asbestos.
0.4		RWN	Fill - silty CLAY, Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of roots.	M	TP139_0.30-0.40	0.3	No odours, staining nor asbestos.
0.6		CL	Natural - CLAY, Red, homogenous, damp, high plasticity, firm to stiff	DP	TP139_0.60-0.70	0.3	No odours, staining nor asbestos.
0.8							
1			Termination Depth at: 0.90 m.				
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP140

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, low plasticity, soft, Inclusions of rootlets.	DP	TP140_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-ML	Natural - silty CLAY, Red / Brown, homogenous, damp, medium plasticity, firm	DP	TP140_0.30-0.40		No Odours, Staining or Asbestos.
0.6					TP140_0.50-0.60		
0.8		CL-ML	Natural - silty CLAY, Red / Brown with Grey mottling, homogenous, moist, medium plasticity, firm	M			No Odours, Staining or Asbestos.
1					TP140_1.00-1.10		
1.2							
1.4							
1.6		CL-ML	Natural - silty CLAY, Red / Brown with Grey mottling, homogenous, moist, high plasticity, firm	M	TP140_1.50-1.60		No Odours, Staining or Asbestos.
1.8							
2		CL-ML	Natural - silty CLAY, Red / Brown with Grey mottling, homogenous, moist, high plasticity, firm, Inclusions of ironstone fragments.	M	TP140_2.00-2.10		No Odours, Staining or Asbestos.
2.2							
2.4							
2.6					TP140_2.5-2.6		
2.8							
3					TP140_2.9-3.0		
			Termination Depth at: 3.00 m.				

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP141

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, dry, non-plastic, soft	DR	TP141_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Orange / Red, homogenous, damp, medium plasticity, firm	DP	TP141_0.30-0.40 TP141_0.40-0.50		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP147

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown / Grey, heterogeneous, damp, medium plasticity, soft, Inclusions of rootlets.	DP	TP147_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Grey, homogenous, damp, high plasticity, firm, Inclusions of rootlets.	DP	TP147_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP148

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Grey / Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of organic matter and rootlets.	M	TP148_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Yellow / Orange, homogenous, damp, high plasticity, stiff, Inclusions of rootlets.	DP	TP148_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP149

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of minor rootlets.	DP	TP149_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Red, homogenous, damp, medium plasticity, firm	DP	TP149_0.30-0.40	0	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP150

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, low plasticity, firm, Inclusions of rootlets.	DP	TP150_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Dark Red, homogenous, damp, low plasticity, stiff, Inclusions of small ironstone gravels.	DP	TP150_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP151

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, dry, non-plastic, very soft, Inclusions of tree roots and sandstone.	DR	TP151_0.00-0.10 TP151_0.30-0.40		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Dark Red, homogenous, dry, non-plastic, firm, Inclusions of weathered shale.	DR	TP151_0.50-0.60		No Odours, Staining or Asbestos.
0.6							
0.8			Termination Depth at: 0.70 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP157

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown / Grey, heterogeneous, damp, medium plasticity, soft, Inclusions of rootlets.	M	TP157_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Grey, homogenous, damp, high plasticity, firm, Inclusions of rootlets.	DP	TP157_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP158

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Grey / Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of organic matter and rootlets.	M	TP158_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Yellow / Orange, homogenous, damp, high plasticity, stiff	DP	TP158_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP159

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of minor rootlets.	DP	TP159_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Red, homogenous, damp, high plasticity, firm	DP	TP159_0.30-0.40	0.1	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.50 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP160

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty SAND, Dark Brown, heterogeneous, dry, non-plastic, soft, Some inclusions of medium shale gravels and rootlets.	DR	TP160_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Red / Orange, homogenous, dry, medium plasticity, stiff, Inclusions of rootlets.	DR	TP160_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP161

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Light Brown, heterogeneous, dry, low plasticity, soft, Inclusions of roots and rootlets.	DR	TP161_0.00-0.10 TP161_0.30-0.40		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Brown / Dark Red, homogenous, dry, high plasticity, firm	DR	TP161_0.40-0.50		No Odours, Staining or Asbestos.
0.6							
0.8			Termination Depth at: 0.70 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP167

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown / Grey, heterogeneous, damp, low plasticity Inclusions of rootlets.	DP	TP167_0-0.1		No Odours, Staining or Asbestos.
0.4		Fill	Fill - sandy CLAY, Brown / Yellow, heterogeneous, damp, high plasticity Inclusions of rootlets.	DP	TP167_0.30-0.40		No Odours, Staining or Asbestos.
0.6					TP167_0.50-0.60		
0.8		CL-SC	Natural - sandy CLAY, Orange / Red with Grey mottling, homogenous, damp, high plasticity Inclusions of rootlets.	DP			No Odours, Staining or Asbestos.
1					TP167_1.00-1.10		
1.2							
1.4							
1.6							
1.8							
2					TP167_2.00-2.10		
2.2							
2.4							
2.6							
2.8							
3					TP167_2.90-3.00		
			Termination Depth at: 3.00 m.				

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP168

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Grey / Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of organic matter and rootlets.	M	TP168_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Brown, homogenous, damp, medium plasticity, stiff, Inclusions of rootlets.	DP	TP168_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP169

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of rootlets.	M	TP169_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Red, homogenous, damp, high plasticity, firm	DP	TP169_0.30-0.40	0.2	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP170

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, moist, low plasticity, soft, Inclusions of rootlets.	M	TP170_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.2		CL-ML	Natural - silty CLAY, Red / Brown, homogenous, dry, medium plasticity, firm	DR	TP170_0.30-0.40		No Odours, Staining or Asbestos.
0.4							
0.6			Termination Depth at: 0.60 m.		TP170_0.50-0.60		
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP171

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, damp, medium plasticity, soft	DP	TP171_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Dark Red, homogenous, damp, high plasticity, firm	DP	TP171_0.30-0.40 TP171_0.40-0.50		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP174

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown / Grey, heterogeneous, damp, medium plasticity Inclusions of rootlets.	DP	TP174_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Yellow, homogenous, damp, high plasticity Inclusions of rootlets.	DP	TP174_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP175

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of organic matter and rootlets.	DP	TP175_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Brown / Red, homogenous, moist, medium plasticity, firm, Inclusions of rootlets.	M	TP175_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP176

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, dry, medium plasticity, soft, Inclusions of rootlets.	DR	TP176_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Red / Grey, homogenous, dry, high plasticity, stiff, Inclusions of rootlets.	DR	TP176_0.30-0.40	0.2	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP177

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0		Fill	Fill - Clayey SAND, Dark Brown, heterogeneous, damp, well graded, fine sand, sub-rounded, dense, Inclusions of medium shale gravels.	DP	TP177_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
		CL-ML	Natural - silty CLAY, Orange with Yellow mottling., homogenous, damp, high plasticity, stiff, Trace inclusions of shale gravels.	DP			No Odours, Staining or Asbestos.
0.2							
					TP177_0.30-0.40		
0.4							
		CL	Natural - CLAY, Yellow / Grey, homogenous, dry, medium plasticity, stiff	DR	TP177_0.50-0.60		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP178

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of gravels and roots.	DP	TP178_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Orange / Red, homogenous, damp, low plasticity, firm	DP	TP178_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.50 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP183

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, low plasticity Inclusions of organic matter, rootlets, metal, glass and ACM.	DP	TP183_0-0.1		Two fragments of Asbestos found. No Odours or Staining.
0.4		CL-SC	Natural - sandy CLAY, Orange / Brown, homogenous, damp, high plasticity Inclusions of rootlets.	DP	TP183_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP184

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of organic matter and rootlets.	DP	TP184_0-0.1 TP184_0.30-0.40		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Yellow, homogenous, damp, low plasticity, stiff, Inclusions of rootlets.	DP			No Odours, Staining or Asbestos.
0.6							
0.8			Termination Depth at: 0.70 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP185

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Red / Grey, heterogeneous, damp, high plasticity, stiff, Inclusions of shale gravels and rootlets.	DP	TP185_0.00-0.10	0.1	Topsoil. No odours, staining nor asbestos.
0.4					TP185_0.30-0.40	0.1	
0.6		Fill	Fill - CLAY, Brown, heterogeneous, dry, low plasticity, soft	DR	TP185_0.50-0.60	0.1	No odours, staining nor asbestos.
0.8		CL	Natural - CLAY, Red, homogenous, damp, high plasticity, stiff	DP			No odours, staining nor asbestos.
1					TP185_0.9-1.0	0.2	
1.2			Termination Depth at: 1.10 m.				
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP186

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, low plasticity, soft, Inclusions of rootlets.	DP	TP186_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-ML	Natural - silty CLAY, Red / Brown, homogenous, damp, medium plasticity, firm	DP	TP186_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP187

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of gravels, roots and rootlets.	DP	TP187_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Orange / Red, homogenous, damp, high plasticity, firm	DP	TP187_0.30-0.40		No Odours, Staining or Asbestos.
0.6					TP187_0.50-0.60		
0.8			Termination Depth at: 0.60 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP198

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown / Grey, heterogeneous, damp, low plasticity Inclusions of organic matter and rootlets.	DP	TP198_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Light Brown, homogenous, damp, medium plasticity Inclusions of rootlets.	DP	TP198_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP199

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 14-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, moist, medium plasticity, soft, Inclusions of roots and rootlets.	M	TP199_0-0.1		No Odours, Staining or Asbestos.
0.4		CL-SC	Natural - sandy CLAY, Orange / Yellow, homogenous, damp, low plasticity, stiff, Inclusions of roots and rootlets.	DP	TP199_0.30-0.40		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP200

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Grey, heterogeneous, moist, high plasticity, soft, Inclusions of rootlets.	M	TP200_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Orange, homogenous, damp, high plasticity, firm	DP	TP200_0.30-0.40	0	No odours, staining nor asbestos.
1					TP200_0.90-1.00	0	
1.4					TP200_1.4-1.5	0	
1.8					TP200_1.90-2.00	0.1	
2.2					TP200_2.40-2.50	0	
2.6					TP200_2.9-3.0	0	
3							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
3.2			Termination Depth at: 3.10 m.				
3.4							
3.6							
3.8							
4							
4.2							
4.4							
4.6							
4.8							
5							
5.2							
5.4							
5.6							
5.8							
6							
6.2							
6.4							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP201

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - clayey SAND, Grey, heterogeneous, moist, low plasticity fine sand loose, Inclusions of rootlets.	M	TP201_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4		CL-ML	Natural - silty CLAY, Yellow / Brown, homogenous, damp, medium plasticity, firm	DP	TP201_0.30-0.40		No Odours, Staining or Asbestos.
0.6					TP201_0.50-0.60		
0.8			Termination Depth at: 0.60 m.				
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP212

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Grey / Brown, heterogeneous, damp, medium plasticity, soft, Inclusions of rootlets.	DP	TP212_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL-ML	Natural - silty CLAY, Orange, homogenous, damp, medium plasticity, firm, Both layers are silty clay but 0.3 - 0.6 has a distinctly greater fraction of clay than the topsoil.	DP	TP212_0.30-0.40	0	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP213

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, medium plasticity, firm, Inclusions of rootlets.	DP			Topsoil. No odours, staining nor asbestos.
0.4		CL-ML	Natural - silty CLAY, Dark Orange, homogenous, damp, medium plasticity, stiff, Trace inclusions of organic matter.	DP			No odours, staining nor asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP214

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 13-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY**

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - CLAY, Brown, heterogeneous, dry, medium plasticity, soft, Inclusions of rootlets.	DR	TP214_0.00-0.10	0	Topsoil. No odours, staining nor asbestos.
0.4		CL	Natural - CLAY, Deep Red, homogenous, damp, high plasticity, firm	DP	TP214_0.30-0.40	0.1	No odours, staining nor asbestos.
0.6			Termination Depth at: 0.50 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP215

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Sahani Gunatunge

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0		Fill	Fill - silty CLAY, Dark Brown, heterogeneous, damp, low plasticity, soft, Inclusions of rootlets.	DP	TP215_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.2		CL-ML	Natural - silty CLAY, Red / Brown, homogenous, damp, medium plasticity, soft	DP	TP215_0.30-0.40		No Odours, Staining or Asbestos.
0.4		CL	Natural - CLAY, Red / Grey, homogenous, dry, medium plasticity, firm	DR	TP215_0.50-0.60		No Odours, Staining or Asbestos.
0.6			Termination Depth at: 0.60 m.				
0.8							
1							
1.2							
1.4							
1.6							
1.8							
2							
2.2							
2.4							
2.6							
2.8							

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 17 Oct 2022

TEST PIT TP216

PROJECT NUMBER 62343	**DRILLING COMPANY**	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 12-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD** Excavator	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Leah Hilliard

COMMENTS

Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
0.2		Fill	Fill - silty CLAY, Brown, heterogeneous, dry, medium plasticity, soft, Inclusions of roots.	DR	TP216_0.00-0.10		Topsoil. No Odours, Staining or Asbestos.
0.4					TP216_0.30-0.40		
0.6		CL-ML	Natural - silty CLAY, Dark Red / Orange, homogenous, damp, medium plasticity, firm	DP	TP216_0.50-0.60		No Odours, Staining or Asbestos.
0.8							
1		CL	Natural - CLAY, Orange, homogenous, damp, medium plasticity, firm	DP	TP216_1.0-1.1		No Odours, Staining or Asbestos.
1.2							
1.4							
1.6		CL	Natural - CLAY, Grey, homogenous, dry, medium plasticity, firm, Inclusions of weathered shale.	DR	TP216_1.50-1.60		No Odours, Staining or Asbestos.
1.8							
2		CL	Natural - Weathered Shale CLAY, Grey, homogenous, dry, high plasticity, stiff	DR	TP216_2.00-2.10		No Odours, Staining or Asbestos.
2.2							
2.4					TP216_2.50-2.60		
2.6			Termination Depth at: 2.60 m.				
2.8							

TEST PIT PP01

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown / grey, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	PP01_0.00-0.10		Topsoil. No Staining nor Asbestos. Organic Odour.
		0.2		Fill	Fill - CLAY, brown / grey, heterogeneous, damp, medium plasticity, firm, no inclusions.	DP	PP01B-0.2-0.3		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT PP02

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, light brown / grey, heterogeneous, dry, non-plastic, firm, trace incluions of timber.	DR	PP02_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		Fill	Fill - CLAY, brown / orange, heterogeneous, damp, high plasticity, stiff, trace inclusions of timber.	DP	PP02_0.20-0.30		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT PP03

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, light grey, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	PP03_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		Fill	Fill - CLAY, grey / orange, heterogeneous, damp, high plasticity, stiff, trace inclusions of plastic.	DP	PP03B-0.2-0.3		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP178A

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, light brown, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	TP178A_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		CL	Natural - CLAY, orange, heterogeneous, damp, high plasticity, stiff, no inclusions.	DP	TP178A_0.10-0.20		No Odours, Staining nor Asbestos.
		0.3							
		0.4			Termination Depth at: 0.40 m.				
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP178B

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	TP178B_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		CL	Natural - CLAY, orange, heterogeneous, damp, high plasticity, firm, no inclusions.	DP	TP178B_0.20-0.30		No Odours, Staining nor Asbestos.
		0.3							
		0.4							
		0.5			Termination Depth at: 0.50 m.				
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP178C

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9		Fill	Fill - silty CLAY, grey, heterogeneous, dry, non-plastic, soft, major inclusions (50%) of bricks and pavers. Building debris.	DR	TP178C_0.00-0.10 TP178C_0.30-0.40 TP178C_0.50-0.60		No Odours, Staining nor Asbestos.
		1 1.1 1.2		CL	Natural - CLAY, light grey / orange, heterogeneous, damp, high plasticity, very stiff, trace inclusions of shale.	DP	TP178C_0.90-1.00		No Odours, Staining nor Asbestos.
		1.3 1.4 1.5 1.6 1.7 1.8 1.9			Termination Depth at: 1.20 m.				

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP178D

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	TP178D_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		CL	Natural - CLAY, orange, heterogeneous, damp, high plasticity, stiff, no inclusions.	DP	TP178D_0.20-0.30		No Odours, Staining nor Asbestos.
		0.3							
		0.4							
		0.5			Termination Depth at: 0.50 m.				
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP183A

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1 0.2 0.3		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, two large steel beams were buried adjacent to this pit.	DR	TP183A_0.00-0.10		Topsoil. No Staining nor Asbestos. Sewage Odour.
		0.4 0.5 0.6		CL	Natural - CLAY, grey / orange, heterogeneous, dry, high plasticity, stiff, no inclusions.	DP	TP183A_0.30-0.40		No Odours, Staining nor Asbestos.
		0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9			Termination Depth at: 0.60 m.				

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP183B

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1 – 1.5		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, little (~5%) inclusions of Asbestos Containing Material (ACM), inclusions of rubber, rubble, building and demolition waste,copper wire, automtive filters and other components, metal, timber, ceramics and glass.	DR	TP183B_0.00-0.10 TP183B_0.30-0.40 TP183B_0.50-0.60 TP183B_1.00-1.10		Sewage Odour, Oil Staining, ACM Fragments.
		1.5 – 1.8		CL	Natural - CLAY, orange, heterogeneous, damp, high plasticity, stiff, no inclusions.	DP	TP183B_1.50-1.60		No Odours, Staining nor Asbestos.
		1.8 – 1.9			Termination Depth at: 1.80 m.				

TEST PIT TP183C

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, trace inclusions of ACM.	DR	TP183C_0.00-0.10		Topsoil. No Staining. Sweage Odour and ACM.
		0.2		CL	Natural - CLAY, light brown, heterogeneous, dry, high plasticity, stiff, no inclusions.	DR	TP183C_0.10-0.20		No Odours, Staining nor Asbestos.
		0.3							
		0.4			Termination Depth at: 0.40 m.				
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT TP183D

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 24-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown, heterogeneous, dry, non-plastic, firm, inclusions of ACM and rubber hose.	DR	TP183D_0.00-0.10		Topsoil. No Staining. Sweage Odour and ACM.
		0.2		CL	Natural - CLAY, light grey, heterogeneous, dry, high plasticity, stiff, no inclusions.	DR	TP183D_0.20-0.30		No Odours, Staining nor Asbestos.
		0.3							
		0.4							
		0.5			Termination Depth at: 0.50 m.				
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT PP01

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, brown / grey, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	PP01_0.00-0.10		Topsoil. No Staining nor Asbestos. Organic Odour.
		0.2		Fill	Fill - CLAY, brown / grey, heterogeneous, damp, medium plasticity, firm, no inclusions.	DP	PP01B-0.2-0.3		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT PP02

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, light brown / grey, heterogeneous, dry, non-plastic, firm, trace incluions of timber.	DR	PP02_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		Fill	Fill - CLAY, brown / orange, heterogeneous, damp, high plasticity, stiff, trace inclusions of timber.	DP	PP02_0.20-0.30		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

TEST PIT PP03

PROJECT NUMBER 62343	**DRILLING COMPANY** Dinamo	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 26-Oct-23	**NORTHING** N/A
CLIENT	**DRILL RIG** Excavator	**COORD SYS** N/A
ADDRESS	**DRILLING METHOD**	**COORD SOURCE**
	DIMENSIONS x m	**LOGGED BY** Lyndon Wale

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.1		Fill	Fill - silty CLAY, light grey, heterogeneous, dry, non-plastic, firm, trace inclusions of lithic gravels.	DR	PP03_0.00-0.10		Topsoil. No Odours, Staining nor Asbestos.
		0.2		Fill	Fill - CLAY, grey / orange, heterogeneous, damp, high plasticity, stiff, trace inclusions of plastic.	DP	PP03B-0.2-0.3		No Odours, Staining nor Asbestos.
		0.3			Termination Depth at: 0.30 m.				
		0.4							
		0.5							
		0.6							
		0.7							
		0.8							
		0.9							
		1							
		1.1							
		1.2							
		1.3							
		1.4							
		1.5							
		1.6							
		1.7							
		1.8							
		1.9							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 29 Feb 2024

GROUNDWATER WELL GW02

PROJECT NUMBER 62343	**DRILLING COMPANY** RIGS	**EASTING** N/A
PROJECT NAME	**DRILLING DATE** 20-Sep-22	**NORTHING** N/A
CLIENT	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** N/A
ADDRESS	**TOTAL DEPTH** 7.6 m bgl	**COORD SOURCE**
	DIAMETER 50	**LOGGED BY** Milad Noujaim
COMPLETION Monument	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 4.6 - 7.6 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA			0		Fill	Fill - Silty CLAY, Dark Brown / Grey, heterogeneous, dry, medium plasticity, firm	DR	GW02_0.20-0.30		No Odours, Staining or Asbestos.
					Fill	Fill - Gravelly SAND, Brown / Red, heterogeneous, moist, loose, Inclusions of brick and tile fragments	M			No Odours, Staining or Asbestos.
			0.5		Fill	Fill - Gravelly SAND, Brown / Red, heterogeneous, wet, loose, Inclusions of brick and tile fragments	M	GW02_1.00-1.10		No Odours, Staining or Asbestos.
			1							
			1.5							
			2		CL	Natural - Shalely CLAY, Grey, homogenous, dry, high plasticity, very stiff	DR			No Odours, Staining or Asbestos.
			2.5							
			3							
			3.5							
			4							
			4.5					GW02_4.40-4.50		
			5							
			5.5							
			6					GW02_6.00-6.10		
			6.5							
			7							
			7.5							End of hole 7.6 mbgs - refusal.
						Termination Depth at: 7.60 m.				
			8							
			8.5							
			9							
			9.5							

Disclaimer This log is intended for environmental not geotechnical purposes.

produced by ESlog.ESdat.net on 07 Oct 2022

Appendix K Laboratory Reports and COC Documentation

©JBS&G Australia Pty Ltd

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 305976

Client Details

Client	JBS & G (NSW & WA) Pty Ltd
Attention	S Gunatunge, S Tran
Address	Level 1, 50 Margaret St, Sydney, NSW, 2000

Sample Details

Your Reference	**62343, Guntawong Rd DSI**
Number of Samples	4 Soil
Date samples received	16/09/2022
Date completed instructions received	16/09/2022

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 solids and on an as received basis for other matrices.

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

Report Details

Date results requested by	26/09/2022
Date of Issue	26/09/2022

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

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

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

Results Approved By
Giovanni Agosti, Group Technical Manager
Greta Petzold, Assistant Operation Manager
Hannah Nguyen, Metals Supervisor
Kyle Gavrily, Senior Chemist
Liam Timmins, Organic Instruments Team Leader
Lucy Zhu, Asbestos Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil				
Our Reference		305976-1	305976-3	305976-4
Your Reference	UNITS	20220913-QA07	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022	13/09/2022
Type of sample		Soil	Soil	Soil
Date extracted	-	20/09/2022	20/09/2022	20/09/2022
Date analysed	-	26/09/2022	26/09/2022	26/09/2022
TRH C_6 - C_9	mg/kg	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	88	92	91

svTRH (C10-C40) in Soil				
Our Reference		305976-1	305976-3	305976-4
Your Reference	UNITS	20220913-QA07	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022	13/09/2022
Type of sample		Soil	Soil	Soil
Date extracted	-	20/09/2022	20/09/2022	20/09/2022
Date analysed	-	23/09/2022	23/09/2022	23/09/2022
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50
Surrogate o-Terphenyl	%	69	74	74

PAHs in Soil				
Our Reference		305976-1	305976-3	305976-4
Your Reference	UNITS	20220913-QA07	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022	13/09/2022
Type of sample		Soil	Soil	Soil
Date extracted	-	20/09/2022	20/09/2022	20/09/2022
Date analysed	-	22/09/2022	22/09/2022	22/09/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	75	79	79

Organochlorine Pesticides in soil		
Our Reference		305976-1
Your Reference	UNITS	20220913-QA07
Date Sampled		13/09/2022
Type of sample		Soil
Date extracted	-	20/09/2022
Date analysed	-	22/09/2022
alpha-BHC	mg/kg	<0.1
HCB	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Surrogate TCMX	%	75

Organophosphorus Pesticides in Soil		
Our Reference		305976-1
Your Reference	UNITS	20220913-QA07
Date Sampled		13/09/2022
Type of sample		Soil
Date extracted	-	20/09/2022
Date analysed	-	22/09/2022
Dichlorvos	mg/kg	<0.1
Dimethoate	mg/kg	<0.1
Diazinon	mg/kg	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1
Ronnel	mg/kg	<0.1
Fenitrothion	mg/kg	<0.1
Malathion	mg/kg	<0.1
Chlorpyriphos	mg/kg	<0.1
Parathion	mg/kg	<0.1
Bromophos-ethyl	mg/kg	<0.1
Ethion	mg/kg	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1
Surrogate TCMX	%	75

PCBs in Soil		
Our Reference		305976-1
Your Reference	UNITS	20220913-QA07
Date Sampled		13/09/2022
Type of sample		Soil
Date extracted	-	20/09/2022
Date analysed	-	22/09/2022
Aroclor 1016	mg/kg	<0.1
Aroclor 1221	mg/kg	<0.1
Aroclor 1232	mg/kg	<0.1
Aroclor 1242	mg/kg	<0.1
Aroclor 1248	mg/kg	<0.1
Aroclor 1254	mg/kg	<0.1
Aroclor 1260	mg/kg	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1
Surrogate TCMX	%	75

Acid Extractable metals in soil				
Our Reference		305976-1	305976-3	305976-4
Your Reference	UNITS	20220913-QA07	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022	13/09/2022
Type of sample		Soil	Soil	Soil
Date prepared	-	20/09/2022	20/09/2022	20/09/2022
Date analysed	-	21/09/2022	21/09/2022	21/09/2022
Arsenic	mg/kg	6	6	11
Cadmium	mg/kg	<0.4	<0.4	<0.4
Chromium	mg/kg	9	15	14
Copper	mg/kg	22	11	11
Lead	mg/kg	12	18	21
Mercury	mg/kg	<0.1	<0.1	<0.1
Nickel	mg/kg	4	6	6
Zinc	mg/kg	28	21	26

Moisture				
Our Reference		305976-1	305976-3	305976-4
Your Reference	UNITS	20220913-QA07	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022	13/09/2022
Type of sample		Soil	Soil	Soil
Date prepared	-	20/09/2022	20/09/2022	20/09/2022
Date analysed	-	21/09/2022	21/09/2022	21/09/2022
Moisture	%	14	13	14

Asbestos ID - soils NEPM - ASB-001			
Our Reference		305976-3	305976-4
Your Reference	UNITS	20220913-QA01LW	QA09
Date Sampled		13/09/2022	13/09/2022
Type of sample		Soil	Soil
Date analysed	-	23/09/2022	23/09/2022
Sample mass tested	g	684.17	662.19
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	–	–
FA and AF Estimation*	g	–	–
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001

Phenoxy Acid Herbicides in Soil		
Our Reference		305976-1
Your Reference	UNITS	20220913-QA07
Date Sampled		13/09/2022
Type of sample		Soil
Date extracted	-	21/09/2022
Date analysed	-	25/09/2022
Clopyralid	mg/kg	<0.5
3,5-Dichlorobenzoic acid	mg/kg	<0.5
o-chlorophenoxy acetic acid	mg/kg	<0.5
4-CPA	mg/kg	<0.5
Dicamba	mg/kg	<0.5
MCPP	mg/kg	<0.5
MCPA	mg/kg	<0.5
Dichlorprop	mg/kg	<0.5
2,4-D	mg/kg	<0.5
Bromoxynil	mg/kg	<0.5
Triclopyr	mg/kg	<0.5
2,4,5-TP	mg/kg	<0.5
2,4,5-T	mg/kg	<0.5
MCPB	mg/kg	<0.5
Dinoseb	mg/kg	<1
2,4-DB	mg/kg	<0.5
Ioxynil	mg/kg	<1
Picloram	mg/kg	<0.5
DCPA (Chlorthal) Diacid	mg/kg	<0.5
Acifluorfen	mg/kg	<2
2,4,6-T	mg/kg	<0.5
2,6-D	mg/kg	<0.5
Fluroxypyr	mg/kg	<1
Chloramben	mg/kg	<1
Bentazon	mg/kg	<1
Surrogate 2.4- DCPA	%	100

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. **NOTE** #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF) **NOTE** #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.
Ext-054	Analysed by MPL Envirolab
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-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.

Method ID	Methodology Summary
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			26/09/2022	[NT]	[NT]	[NT]	[NT]	26/09/2022	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	88	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	88	[NT]
Benzene	mg/kg	0.2	Org-023	<0.2	[NT]	[NT]	[NT]	[NT]	96	[NT]
Toluene	mg/kg	0.5	Org-023	<0.5	[NT]	[NT]	[NT]	[NT]	88	[NT]
Ethylbenzene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	84	[NT]
m+p-xylene	mg/kg	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	86	[NT]
o-Xylene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	90	[NT]
Naphthalene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	96	[NT]	[NT]	[NT]	[NT]	95	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			23/09/2022	[NT]	[NT]	[NT]	[NT]	23/09/2022	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	102	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	94	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	71	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	102	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	94	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	71	[NT]
Surrogate o-Terphenyl	%		Org-020	81	[NT]	[NT]	[NT]	[NT]	81	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			22/09/2022	[NT]	[NT]	[NT]	[NT]	22/09/2022	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	86	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	85	[NT]
Fluorene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	90	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	77	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	88	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	93	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			22/09/2022	[NT]	[NT]	[NT]	[NT]	22/09/2022	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	90	[NT]
HCB	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	99	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	103	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	122	[NT]
Endrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	94	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	87	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			22/09/2022	[NT]	[NT]	[NT]	[NT]	22/09/2022	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	83	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	85	[NT]
Malathion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Parathion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	78	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	76	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	87	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			22/09/2022	[NT]	[NT]	[NT]	[NT]	22/09/2022	[NT]
Aroclor 1016	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Aroclor 1260	mg/kg	0.1	Org-021	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-021	87	[NT]	[NT]	[NT]	[NT]	86	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			20/09/2022	[NT]	[NT]	[NT]	[NT]	20/09/2022	[NT]
Date analysed	-			21/09/2022	[NT]	[NT]	[NT]	[NT]	21/09/2022	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	79	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	85	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	91	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	82	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	91	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	120	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	86	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]

QUALITY CONTROL: Phenoxy Acid Herbicides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			21/09/2022	[NT]	[NT]	[NT]	[NT]	21/09/2022	[NT]
Date analysed	-			25/09/2022	[NT]	[NT]	[NT]	[NT]	25/09/2022	[NT]
Clopyralid	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	104	[NT]
3,5-Dichlorobenzoic acid	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
o-chlorophenoxy acetic acid	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-CPA	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dicamba	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
MCPP	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
MCPA	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dichlorprop	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4-D	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	76	[NT]
Bromoxynil	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Triclopyr	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4,5-TP	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4,5-T	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	108	[NT]
MCPB	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dinoseb	mg/kg	1	Ext-054	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4-DB	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ioxynil	mg/kg	1	Ext-054	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Picloram	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
DCPA (Chlorthal) Diacid	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acifluorfen	mg/kg	2	Ext-054	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,4,6-T	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2,6-D	mg/kg	0.5	Ext-054	<0.5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluroxypyr	mg/kg	1	Ext-054	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloramben	mg/kg	1	Ext-054	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bentazon	mg/kg	1	Ext-054	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate 2.4- DCPA	%		Ext-054	98	[NT]	[NT]	[NT]	[NT]	98	[NT]

Result Definitions

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

Quality Control Definitions

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

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

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

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

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

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

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

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

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

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Herbicides analysed by Envirolab Melbourne. Report No. 33677

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

Enviro lab

Chain of Custody

1/1

JBS&G

PROJECT NO.: 62343

PROJECT NAME: Guntawong Rd DSI

DATE NEEDED BY: Standard TAT

LABORATORY BATCH NO.:

SAMPLERS: ST, LH, LW, AS

QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7733

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

	SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/ PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	Cyanide & phenols	CEC, pH, % clay	Salinity/ EC	CEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
1	20220913_QA07				Jar + Ice		X	X	X	X		X	X	X												
2	20220913_QA02ST				Jar + Bag + Ice																					
3	20220913_QA01LW				Jar + Bag + Ice		X	X	X	X																
4	QA09				↓		X	X	X	X																

ENVIROLAB GROUP

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

Job No: 305976

Date Received: 16/9/22

Time Received: 14 45

Received By: AP

Temp: Cool/Ambient

Cooling: Ice/Icepack

Security: Intact/Broken/None

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME: AP	COOLER SEAL – (Yes) ..... No ..... (Intact) ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: 16.9.22	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER TEMP 2.1 deg C
OF:	TRANSPORT CO	OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
			COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 336499

Client Details

Client	JBS & G (NSW & WA) Pty Ltd
Attention	S Gunatunge
Address	Level 1, 50 Margaret St, Sydney, NSW, 2000

Sample Details

Your Reference	**62343, Guntawong Road DGA**
Number of Samples	2 Soil
Date samples received	30/10/2023
Date completed instructions received	01/11/2023

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 solids and on an as received basis for other matrices.

Report Details

Date results requested by	08/11/2023
Date of Issue	07/11/2023

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

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

Results Approved By
Dragana Tomas, Senior Chemist
Hannah Nguyen, Metals Supervisor

Authorised By
Nancy Zhang, Laboratory Manager

TRH in Soil (C6-C9) NEPM		
Our Reference		336499-1
Your Reference	UNITS	QC02
Date Sampled		24/10/2023
Type of sample		Soil
Date extracted	-	01/11/2023
Date analysed	-	03/11/2023
TRH C_6 - C_9	mg/kg	<25
TRH C_6 - C_{10}	mg/kg	<25
Surrogate aaa-Trifluorotoluene	%	87

svTRH (C10-C40) in Soil		
Our Reference		336499-1
Your Reference	UNITS	QC02
Date Sampled		24/10/2023
Type of sample		Soil
Date extracted	-	01/11/2023
Date analysed	-	02/11/2023
TRH C_{10} - C_{14}	mg/kg	<50
TRH C_{15} - C_{28}	mg/kg	<100
TRH C_{29} - C_{36}	mg/kg	<100
Total +ve TRH (C10-C36)	mg/kg	<50
TRH >C_{10} -C_{16}	mg/kg	<50
TRH >C_{16} -C_{34}	mg/kg	<100
TRH >C_{34} -C_{40}	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	86

PAHs in Soil		
Our Reference	UNITS	336499-1
Your Reference		QC02
Date Sampled		24/10/2023
Type of sample		Soil
Date extracted	-	01/11/2023
Date analysed	-	03/11/2023
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo(a)anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2
Benzo(a)pyrene	mg/kg	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1
Total +ve PAH's	mg/kg	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate p-Terphenyl-d14	%	99

Organochlorine Pesticides in soil		
Our Reference		336499-1
Your Reference	UNITS	QC02
Date Sampled		24/10/2023
Type of sample		Soil
Date extracted	-	01/11/2023
Date analysed	-	03/11/2023
alpha-BHC	mg/kg	<0.1
HCB	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Mirex	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Surrogate TCMX	%	103

Acid Extractable metals in soil			
Our Reference		336499-1	336499-2
Your Reference	UNITS	QC02	QC01
Date Sampled		24/10/2023	24/10/2023
Type of sample		Soil	Soil
Date prepared	-	03/11/2023	03/11/2023
Date analysed	-	03/11/2023	03/11/2023
Arsenic	mg/kg	8	[NA]
Cadmium	mg/kg	<0.4	[NA]
Chromium	mg/kg	14	[NA]
Copper	mg/kg	9	[NA]
Lead	mg/kg	22	390
Mercury	mg/kg	<0.1	[NA]
Nickel	mg/kg	4	[NA]
Zinc	mg/kg	36	[NA]

Moisture			
Our Reference		336499-1	336499-2
Your Reference	UNITS	QC02	QC01
Date Sampled		24/10/2023	24/10/2023
Type of sample		Soil	Soil
Date prepared	-	01/11/2023	01/11/2023
Date analysed	-	02/11/2023	02/11/2023
Moisture	%	7.5	16

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-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.

Method ID	Methodology Summary
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: TRH in Soil (C6-C9) NEPM						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			01/11/2023	[NT]	[NT]	[NT]	[NT]	01/11/2023	[NT]
Date analysed	-			03/11/2023	[NT]	[NT]	[NT]	[NT]	03/11/2023	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	110	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	[NT]	[NT]	[NT]	[NT]	110	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	90	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			01/11/2023	[NT]	[NT]	[NT]	[NT]	01/11/2023	[NT]
Date analysed	-			02/11/2023	[NT]	[NT]	[NT]	[NT]	02/11/2023	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	111	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	106	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	111	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	106	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	114	[NT]
Surrogate o-Terphenyl	%		Org-020	86	[NT]	[NT]	[NT]	[NT]	91	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			01/11/2023	[NT]	[NT]	[NT]	[NT]	01/11/2023	[NT]
Date analysed	-			03/11/2023	[NT]	[NT]	[NT]	[NT]	03/11/2023	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	95	[NT]
Fluorene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	91	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	[NT]	[NT]	[NT]	[NT]	102	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	97	[NT]	[NT]	[NT]	[NT]	97	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			01/11/2023	[NT]	[NT]	[NT]	[NT]	01/11/2023	[NT]
Date analysed	-			03/11/2023	[NT]	[NT]	[NT]	[NT]	03/11/2023	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
HCB	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	97	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	109	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	110	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	130	[NT]
Endrin	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	72	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	140	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	101	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			03/11/2023	[NT]	[NT]	[NT]	[NT]	03/11/2023	[NT]
Date analysed	-			03/11/2023	[NT]	[NT]	[NT]	[NT]	03/11/2023	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	103	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	97	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]

Result Definitions

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

Quality Control Definitions

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

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

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

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

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

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

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

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

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

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Envirolab.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road DGA.
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...Syunatunge...@jbsg.com.au; (3) .....Wale.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

	SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	TRH	PAH	OCP	lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
1	QC02	Soil	24/10/23		jar+ice		X	X	X	X				
2	QC01	↓	↓		↓						X			
NR	QC01-20231026										X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ....., Broken ..... COOLER TEMP ..... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ....., Broken ..... COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

ntrolled Copy (June 2015)
011-2019 JBS&G Australia Pty Ltd

ENVIROLAB GROUP

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

Job No: 336499
Date Received: 30/10/23
Time Received: 1250
Received By: SP
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Gyntawong Rd DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...gyuntawong...@jbsg.com.au; (3) ...Twale.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	copper	zinc	TRH	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
SP06-07 E 0-0.1	SOIL	25/10/2023		jar + ice		X						
E 0.3-0.4				↓								
E 0.5-0.6				jar + bag		X						
D 0-0.1				jar								
D 0.3-0.4				jar								
B 0-0.1				↓		X						
B 0.3-0.4				jar + bag								
B 0.5-0.6				↓								
C 0-0.1				jar		X						
C 0.3-0.4												
C 0.5-0.6												
C 0.7-0.8												
A 0-0.1												
A 0.3-0.4												
A 0.5-0.6						X	X	X	X			
TP09 B 0-0.1												
B 0.2-0.3						X	X	X	X			
E 0-0.1												
E 0.2-0.3												

RELINQUISHED BY:
NAME: [illegible] DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME: Rhian
DATE:
OF:
NAME: DATE: 25/10
OF: 8:50 pm

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C 14°C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#336499
30/10/23SP

#1038740

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

page 2 of 7

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard

LABORATORY BATCH NO.:
SAMPLERS:
QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	copper	zinc	TRH	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP091C 0-0.1	SOIL	25/10/2023		jar + ice		X	X	X	X			
C 0.3-0.4				↓								
D 0-0.1				jar + bag		X	X	X	X			
D 0.2-0.3				jar								
A 0-0.1						X	X	X	X			
A 0.3-0.4												
A 0.4-0.5												
TP134 C 0-0.1						X						
C 0.2-0.3												
D 0-0.1						X						
D 0.1-0.2												
A 0-0.1						X						
A 0.3-0.4												
B 0-0.1						X						
B 0.2-0.3												
TP124 C 0-0.1						X						
C 0.2-0.3												
D 0-0.1						X						
D 0.2-0.3				↓								

RELINQUISHED BY:
NAME: DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#103 8740

#336499
30/10/23 SP

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road DA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...Sguntawong...@jbsg.com.au; (3) ...Lwate.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	cadmium	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP124 B 0-0.1	SOIL	25/10/2023		jar + ice		X				
B 0.2-0.3						X				
A 0-0.1										
A 0.2-0.3						X	X			
TP125 D 0-0.1										
D 0.2-0.3						X	X			
C 0-0.1										
C 0.1-0.2						X	X			
A 0-0.1										
A 0.2-0.3						X	X			
B 0-0.1										
B 0.2-0.3						X				
TP114 C 0-0.1										
C 0.2-0.3						X				
D 0-0.1										
D 0.2-0.3						X				
A 0-0.1										
A 0.3-0.4						X				
B 0-0.1										

RELINQUISHED BY:
NAME: DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

#336499
30/10/23 SP

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
SITE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunga@jbsg.com.au; (3) kwale@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos bore	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP114 B 0.2-0.3	soil	25/10/2023		jar + ice		X	X		
SP06 frag	material	↓		bag		X			
TS/TB	water			vials + ice					

RELINQUISHED BY:
NAME: [signature] DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#336499
30/10/23 SP

page 1 of 1

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) squinatunge@jbsg.com.au; (3) lwale@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	TRH	PAH	OCP	OP	8021	lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
PP01-A 0-0.1	SOIL	24/10/23		jar + ice		X	X	X	X						
PP01-B															
PP02-A															
PP02-B															
PP03-A															
PP03-B															
SP07-01				jar + bag						X					
SP07-02															
SP07-03															
TP178 A 0-0.1				jar							X				
A 0.1-0.2															
B 0-0.1											X				
B 0.2-0.3															
C 0-0.1				jar + bag							X				
C 0.3-0.4															
C 0.5-0.6															
C 0.9-1.0				jar											
D 0-0.1											X				
D 0.2-0.3															

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

Controlled Copy (June 2015)

#336499
30/10/23 SP

page 6 of 7

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...squnatunge...@jbsg.com.au; (3) ...twate...@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP183A 0-0.1	SOIL	24/10/2023		jar+bag + ice		X			
A 0.3-0.4				jar					
B 0-0.1				jar+bag		X			
B 0.3-0.4									
B 0.5-0.6									
B 1.0-1.1									
B 1.5-1.6				jar					
C 0-0.1				jar+bag		X			
C 0.1-0.2									
D 0-0.1						X			
D 0.2-0.3				jar					
TP197 A 0-0.1				jar		X			
A 0.3-0.4									
A 0.4-0.5									
B 0-0.1				jar+bag		X			
B 0.3-0.4									
C 0-0.1				jar		X			
C 0.1-0.2									
D 0-0.1						X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#1038740

#336499
30/10/23 SP

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: CW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sguratunge@jbsg.com.au; (3) twate@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	TRH	PAH	OCP	Lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP197 0.0-0.3	SOIL	24/10/23		jar + ice		X	X	X	X				
QA02	↓	↓		↓		Please forward to Envirolab							
QC02										X			
QA01						Please forward to Envirolab.							
QC01													
SP													

RELINQUISHED BY:
NAME: DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

ntrolled Copy (June 2015)
2011-2019 JBS&G Australia Pty Ltd

#1038740

#336499
30/10/23 SP

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	JBS & G (NSW & WA) Pty Ltd
Attention	S Gunatunge

Sample Login Details

Your reference	62343, Guntawong Road DGA
Envirolab Reference	336499
Date Sample Received	30/10/2023
Date Instructions Received	01/11/2023
Date Results Expected to be Reported	08/11/2023

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	2 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	13
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

QC01_20231026 in job 336544

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: ahie@envirolab.com.au	**Email: jhurst@envirolab.com.au**

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	TRH in Soil (C6-C9) NEPM	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Acid Extractable metalsin soil
QC02	✓	✓	✓	✓	✓
QC01					✓

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

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **923050-S**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 13, 2022

Client Sample ID			**TP216_0.0-0.1**	**TP216_0.5-0.6**	**TP216_1.0-1.1**	**TP202_0.0-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Se0027718**	**S22-Se0027719**	**S22-Se0027720**	**S22-Se0027721**
Date Sampled			**Sep 12, 2022**	**Sep 12, 2022**	**Sep 12, 2022**	**Sep 12, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	22	-	-	< 20
TRH C15-C28	50	mg/kg	82	-	-	< 50
TRH C29-C36	50	mg/kg	140	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	244	-	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	170	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	170	-	-	< 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	%	99	-	-	-
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

Client Sample ID			TP216_0.0-0.1	TP216_0.5-0.6	TP216_1.0-1.1	TP202_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027718	S22-Se0027719	S22-Se0027720	S22-Se0027721
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	108	-	-	104
p-Terphenyl-d14 (surr.)	1	%	93	-	-	111
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	86	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	118	-	-	126
% Clay	1	%	6.8	-	-	-
Chloride	10	mg/kg	35	-	110	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	24	-	56	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	6.7	-	5.5	-
Salinity (determined from EC)*	20	mg/kg	< 20	-	32	-
Sulphate (as SO4)	10	mg/kg	87	-	130	-
Exchangeable Sodium Percentage (ESP)	0.1	%	1.1	-	17	-
% Moisture	1	%	13	21	20	27
Cyanide (total)	1	mg/kg	-	-	-	< 1

Client Sample ID			TP216_0.0-0.1	TP216_0.5-0.6	TP216_1.0-1.1	TP202_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027718	S22-Se0027719	S22-Se0027720	S22-Se0027721
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	13	14	-	9.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	< 0.4
Chromium	5	mg/kg	19	14	-	16
Copper	5	mg/kg	25	16	-	9.7
Lead	5	mg/kg	44	11	-	22
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	16	< 5	-	5.8
Zinc	5	mg/kg	59	19	-	23
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	14	-	6.8	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP216_0.0-0.1	TP216_0.5-0.6	TP216_1.0-1.1	TP202_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027718	S22-Se0027719	S22-Se0027720	S22-Se0027721
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	92
Toluene-d8 (surr.)	1	%	-	-	-	79
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
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

Client Sample ID			TP216_0.0-0.1	TP216_0.5-0.6	TP216_1.0-1.1	TP202_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027718	S22-Se0027719	S22-Se0027720	S22-Se0027721
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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
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
Dibutylchlorendate (surr.)	1	%	-	-	-	103
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	126
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	%	-	-	-	86
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.4.6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2

Client Sample ID			TP216_0.0-0.1	TP216_0.5-0.6	TP216_1.0-1.1	TP202_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027718	S22-Se0027719	S22-Se0027720	S22-Se0027721
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
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	%	-	-	-	111
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20

Client Sample ID			TP202_0.3-0.4	TP187_0.0-0.1	TP178_0.0-0.1	TP171_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027722	S22-Se0027723	S22-Se0027724	S22-Se0027725
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	57	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	57	-	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	-	< 50
TRH >C16-C34	100	mg/kg	-	< 100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	-
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	%	-	78	-	-
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

Client Sample ID			TP202_0.3-0.4	TP187_0.0-0.1	TP178_0.0-0.1	TP171_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027722	S22-Se0027723	S22-Se0027724	S22-Se0027725
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	101	-	89
p-Terphenyl-d14 (surr.)	1	%	-	107	-	116
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	123	137	113
Tetrachloro-m-xylene (surr.)	1	%	-	122	126	126
% Moisture	1	%	22	15	29	19
Cyanide (total)	1	mg/kg	-	-	< 1	< 1
Heavy Metals						
Arsenic	2	mg/kg	8.0	12	9.7	9.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	20	17	15
Copper	5	mg/kg	8.6	7.8	15	9.6
Lead	5	mg/kg	20	21	380	21
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.1	< 5	6.0	< 5
Zinc	5	mg/kg	25	21	51	28

Client Sample ID			TP202_0.3-0.4	TP187_0.0-0.1	TP178_0.0-0.1	TP171_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027722	S22-Se0027723	S22-Se0027724	S22-Se0027725
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			TP202_0.3-0.4	TP187_0.0-0.1	TP178_0.0-0.1	TP171_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027722	S22-Se0027723	S22-Se0027724	S22-Se0027725
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	79	75
Toluene-d8 (surr.)	1	%	-	-	73	67
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
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	%	-	-	125	96

Client Sample ID			TP202_0.3-0.4	TP187_0.0-0.1	TP178_0.0-0.1	TP171_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027722	S22-Se0027723	S22-Se0027724	S22-Se0027725
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	123	137	113
Tetrachloro-m-xylene (surr.)	1	%	-	122	126	126
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	%	-	-	98	82
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	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	%	-	-	116	112
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	< 20

Client Sample ID			TP171_0.4-0.5	TP161_0.0-0.1	TP151_0.3-0.4	TP141_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027726	S22-Se0027727	S22-Se0027728	S22-Se0027729
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	-	< 50
TRH >C16-C34	100	mg/kg	-	< 100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	< 100
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	%	-	106	-	106
p-Terphenyl-d14 (surr.)	1	%	-	114	-	105
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	-	-

Client Sample ID			TP171_0.4-0.5	TP161_0.0-0.1	TP151_0.3-0.4	TP141_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027726	S22-Se0027727	S22-Se0027728	S22-Se0027729
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	108	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	123	-	-
% Moisture	1	%	22	17	8.9	22
Heavy Metals						
Arsenic	2	mg/kg	9.4	13	9.1	10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	21	14	16
Copper	5	mg/kg	22	10.0	8.9	11
Lead	5	mg/kg	15	23	17	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.4	6.2	< 5	5.4
Zinc	5	mg/kg	49	32	19	32
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	-	-
Methyl parathion	0.2	mg/kg	-	< 0.2	-	-

Client Sample ID			TP171_0.4-0.5	TP161_0.0-0.1	TP151_0.3-0.4	TP141_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027726	S22-Se0027727	S22-Se0027728	S22-Se0027729
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	96	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	108	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	123	-	-
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	%	-	82	-	-

Client Sample ID			TP131_0.3-0.4	TP121_0.0-0.1	TP121_0.5-0.6	TP109_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027730	S22-Se0027731	S22-Se0027732	S22-Se0027733
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
TRH >C16-C34	100	mg/kg	-	< 100	-	-
TRH >C34-C40	100	mg/kg	-	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	-
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	%	-	100	-	-
p-Terphenyl-d14 (surr.)	1	%	-	112	-	-
% Clay	1	%	-	-	-	6.0
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	57
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	5.7
% Moisture	1	%	17	14	21	14
Heavy Metals						
Arsenic	2	mg/kg	13	14	13	17
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	20	17	25
Copper	5	mg/kg	10	6.2	15	6.6
Lead	5	mg/kg	23	16	19	26
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.7	< 5	7.1	< 5
Zinc	5	mg/kg	37	10	30	14

Client Sample ID			TP131_0.3-0.4	TP121_0.0-0.1	TP121_0.5-0.6	TP109_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027730	S22-Se0027731	S22-Se0027732	S22-Se0027733
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	3.6

Client Sample ID			TP097_0.3-0.4	TP082_0.0-0.1	TP067_0.0-0.1	TP052_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027734	S22-Se0027735	S22-Se0027736	S22-Se0027737
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	-
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	%	-	95	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			TP097_0.3-0.4	TP082_0.0-0.1	TP067_0.0-0.1	TP052_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027734	S22-Se0027735	S22-Se0027736	S22-Se0027737
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	96	83	-	112
p-Terphenyl-d14 (surr.)	1	%	121	81	-	113
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	%	-	79	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	93	-	-
% Moisture	1	%	16	19	13	15
Cyanide (total)	1	mg/kg	-	< 1	-	-
Heavy Metals						
Arsenic	2	mg/kg	12	8.4	9.7	9.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	14	13	8.0
Copper	5	mg/kg	7.5	12	12	7.9
Lead	5	mg/kg	21	20	21	9.9
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	6.0	< 5	< 5
Zinc	5	mg/kg	13	37	35	16
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	-	-

Client Sample ID			TP097_0.3-0.4	TP082_0.0-0.1	TP067_0.0-0.1	TP052_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027734	S22-Se0027735	S22-Se0027736	S22-Se0027737
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	-	-
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	%	-	74	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	79	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	93	-	-
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	-	-

Client Sample ID			TP097_0.3-0.4	TP082_0.0-0.1	TP067_0.0-0.1	TP052_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027734	S22-Se0027735	S22-Se0027736	S22-Se0027737
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Acid Herbicides						
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	%	-	85	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1	mg/kg	-	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	76	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-

Client Sample ID			TP052_0.6-0.7	TP066_0.0-0.1	TP066_0.5-0.6	TP066_1.5-1.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027738	S22-Se0027739	S22-Se0027740	S22-Se0027741
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-

Client Sample ID			TP052_0.6-0.7	TP066_0.0-0.1	TP066_0.5-0.6	TP066_1.5-1.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027738	S22-Se0027739	S22-Se0027740	S22-Se0027741
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	-	93	-	-
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	%	-	102	-	-
p-Terphenyl-d14 (surr.)	1	%	-	107	-	-
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	-	-

Client Sample ID			TP052_0.6-0.7	TP066_0.0-0.1	TP066_0.5-0.6	TP066_1.5-1.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027738	S22-Se0027739	S22-Se0027740	S22-Se0027741
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	124	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	116	-	-
% Clay	1	%	-	-	17	16
Chloride	10	mg/kg	-	-	24	120
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	37	100
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	5.3	5.1
Salinity (determined from EC)*	20	mg/kg	-	-	24	52
Sulphate (as SO4)	10	mg/kg	-	-	34	38
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	24	24
% Moisture	1	%	18	12	15	12
Cyanide (total)	1	mg/kg	-	< 1	-	-
Heavy Metals						
Arsenic	2	mg/kg	49	12	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	21	16	-	-
Copper	5	mg/kg	44	21	-	-
Lead	5	mg/kg	18	16	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	9.3	7.3	-	-
Zinc	5	mg/kg	83	49	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	6.9	6.9
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	-	-

Client Sample ID			TP052_0.6-0.7	TP066_0.0-0.1	TP066_0.5-0.6	TP066_1.5-1.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027738	S22-Se0027739	S22-Se0027740	S22-Se0027741
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	99	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	124	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	116	-	-
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	%	-	115	-	-

Client Sample ID			TP052_0.6-0.7	TP066_0.0-0.1	TP066_0.5-0.6	TP066_1.5-1.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027738	S22-Se0027739	S22-Se0027740	S22-Se0027741
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1	mg/kg	-	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	112	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	20	< 20	< 20	-
TRH C15-C28	50	mg/kg	66	51	< 50	-
TRH C29-C36	50	mg/kg	110	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	196	51	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	130	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	130	< 100	< 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	-	-	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	74	-	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	80	103	71	-
p-Terphenyl-d14 (surr.)	1	%	125	99	119	-
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	-	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	82	92	-	-
Tetrachloro-m-xylene (surr.)	1	%	91	88	-	-
% Moisture	1	%	17	19	18	14
Cyanide (total)	1	mg/kg	< 1	< 1	< 1	-
Heavy Metals						
Arsenic	2	mg/kg	14	8.2	12	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	17	18	32
Copper	5	mg/kg	21	22	27	14
Lead	5	mg/kg	25	29	20	29
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.3	12	7.7	17
Zinc	5	mg/kg	38	45	45	43
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
Chloroform	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	81	83	-
Toluene-d8 (surr.)	1	%	-	76	54	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	< 2	< 2	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	< 2	< 2	< 2	-
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Omethoate	2	mg/kg	< 2	< 2	< 2	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	105	114	94	-
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	-	-
Dibutylchlorendate (surr.)	1	%	82	92	-	-
Tetrachloro-m-xylene (surr.)	1	%	91	88	-	-
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	110	104	84	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	-
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	-
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	-
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	-

Client Sample ID			TP081_0.0-0.1	TP096_0.0-0.1	TP096_0.3-0.4	TP108_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027742	S22-Se0027743	S22-Se0027744	S22-Se0027746
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	-
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	-
Dinoseb	20	mg/kg	< 20	< 20	< 20	-
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenol-d6 (surr.)	1	%	99	83	102	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	-

Client Sample ID			TP120_0.0-0.1	TP130_0.0-0.1	TP130_0.5-0.6	TP140_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027747	S22-Se0027748	S22-Se0027749	S22-Se0027750
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	< 50	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	< 100
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

Client Sample ID			TP120_0.0-0.1	TP130_0.0-0.1	TP130_0.5-0.6	TP140_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027747	S22-Se0027748	S22-Se0027749	S22-Se0027750
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	83	-	-	92
p-Terphenyl-d14 (surr.)	1	%	115	-	-	92
% Moisture	1	%	17	22	19	19
Heavy Metals						
Arsenic	2	mg/kg	12	12	15	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	22	16	17	22
Copper	5	mg/kg	8.4	11	23	11
Lead	5	mg/kg	23	220	16	97
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.7	6.2	6.3	9.2
Zinc	5	mg/kg	17	16	30	52

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	22
TRH C15-C28	50	mg/kg	-	-	< 50	100
TRH C29-C36	50	mg/kg	-	-	56	160
TRH C10-C36 (Total)	50	mg/kg	-	-	56	282
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	190
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	190
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

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	103	88
p-Terphenyl-d14 (surr.)	1	%	-	-	96	93
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	%	-	-	-	107
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	93
Chloride	10	mg/kg	900	960	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	520	490	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	4.7	4.8	-	-
Salinity (determined from EC)*	20	mg/kg	250	240	-	-
Sulphate (as SO4)	10	mg/kg	53	83	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	25	42	-	-

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
% Moisture	1	%	17	17	15	19
Cyanide (total)	1	mg/kg	-	-	-	< 1
Heavy Metals						
Arsenic	2	mg/kg	-	-	19	13
Cadmium	0.4	mg/kg	-	-	< 0.4	< 0.4
Chromium	5	mg/kg	-	-	31	24
Copper	5	mg/kg	-	-	13	17
Lead	5	mg/kg	-	-	37	51
Mercury	0.1	mg/kg	-	-	< 0.1	< 0.1
Nickel	5	mg/kg	-	-	13	8.8
Zinc	5	mg/kg	-	-	49	96
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	4.2	3.7	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	84
Toluene-d8 (surr.)	1	%	-	-	-	84
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
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

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	-	-	104
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
Dibutylchlorendate (surr.)	1	%	-	-	-	107
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	93
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	%	-	-	-	149
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

Client Sample ID			TP140_2.5-2.6	TP140_2.9-3.0	TP150_0.0-0.1	TP160_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027751	S22-Se0027752	S22-Se0027753	S22-Se0027754
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	126
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20

Client Sample ID			TP177_0.0-0.1	TP186_0.0-0.1	TP201_0.0-0.1	TP215_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027756	S22-Se0027757	S22-Se0027758	S22-Se0027759
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	52	-	60
TRH C10-C36 (Total)	50	mg/kg	< 50	52	-	60
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			TP177_0.0-0.1	TP186_0.0-0.1	TP201_0.0-0.1	TP215_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027756	S22-Se0027757	S22-Se0027758	S22-Se0027759
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	90	101	-	90
p-Terphenyl-d14 (surr.)	1	%	94	94	-	92
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	%	94	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	80	-	-	-
% Moisture	1	%	13	12	19	20
Cyanide (total)	1	mg/kg	< 1	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	20	17	14	9.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	41	37	19	15
Copper	5	mg/kg	35	11	11	12
Lead	5	mg/kg	180	23	16	28
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	21	6.3	5.5	5.9
Zinc	5	mg/kg	97	21	18	26

Client Sample ID			TP177_0.0-0.1	TP186_0.0-0.1	TP201_0.0-0.1	TP215_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027756	S22-Se0027757	S22-Se0027758	S22-Se0027759
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			TP177_0.0-0.1	TP186_0.0-0.1	TP201_0.0-0.1	TP215_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027756	S22-Se0027757	S22-Se0027758	S22-Se0027759
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	95	-	-	-
Toluene-d8 (surr.)	1	%	86	-	-	-
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	-	-	-
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	%	105	-	-	-

Client Sample ID			TP177_0.0-0.1	TP186_0.0-0.1	TP201_0.0-0.1	TP215_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027756	S22-Se0027757	S22-Se0027758	S22-Se0027759
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
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	-	-	-
Dibutylchlorendate (surr.)	1	%	94	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	80	-	-	-
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	%	87	-	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	-	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	-	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
Total cresols*	0.5	mg/kg	< 0.5	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-
Dinoseb	20	mg/kg	< 20	-	-	-
Phenol	0.5	mg/kg	< 0.5	-	-	-
Phenol-d6 (surr.)	1	%	99	-	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-	-

Client Sample ID			20220912_QC03	20220912_QC05	TP170_0.0-0.1
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027760	S22-Se0027761	S22-Se0027806
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	20	mg/kg	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100
BTEX					
Benzene	0.1	mg/kg	-	< 0.1	-
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	%	-	82	-
Polycyclic Aromatic Hydrocarbons					
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84	77	86
p-Terphenyl-d14 (surr.)	1	%	85	71	105
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

Client Sample ID			20220912_QC03	20220912_QC05	TP170_0.0-0.1
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027760	S22-Se0027761	S22-Se0027806
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	66	84
Tetrachloro-m-xylene (surr.)	1	%	-	72	101
% Moisture	1	%	16	17	19
Cyanide (total)	1	mg/kg	-	< 1	< 1
Heavy Metals					
Arsenic	2	mg/kg	14	13	16
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	18	23
Copper	5	mg/kg	11	17	20
Lead	5	mg/kg	15	17	280
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	6.2	13
Zinc	5	mg/kg	24	39	99
Volatile Organics					
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5

Client Sample ID			20220912_QC03	20220912_QC05	TP170_0.0-0.1
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027760	S22-Se0027761	S22-Se0027806
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit			
Volatile Organics					
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	129
Toluene-d8 (surr.)	1	%	-	-	122

Client Sample ID			20220912_QC03	20220912_QC05	TP170_0.0-0.1
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027760	S22-Se0027761	S22-Se0027806
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	< 2	< 2
Naled	0.2	mg/kg	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	< 2	< 2
Phorate	0.2	mg/kg	-	< 0.2	< 0.2
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	%	-	84	109
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
Dibutylchlorendate (surr.)	1	%	-	66	84
Tetrachloro-m-xylene (surr.)	1	%	-	72	101

Client Sample ID			20220912_QC03	20220912_QC05	TP170_0.0-0.1
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0027760	S22-Se0027761	S22-Se0027806
Date Sampled			Sep 12, 2022	Sep 12, 2022	Sep 12, 2022
Test/Reference	LOR	Unit			
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	%	-	76	78
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	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	%	-	79	114
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	< 20

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Sep 15, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Sep 15, 2022	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
% Clay	Brisbane	Sep 19, 2022	14 Days
- Method: LTM-GEN-7040			
Chloride	Sydney	Sep 15, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Sep 15, 2022	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Salinity (determined from EC)*	Sydney	Sep 15, 2022	28 Days
- Method: LTM-INO-4030			
Sulphate (as SO4)	Sydney	Sep 15, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
Cyanide (total)	Sydney	Sep 15, 2022	14 Days
- Method: E054 Total Cyanide			
Volatile Organics	Sydney	Sep 15, 2022	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Acid Herbicides	Melbourne	Sep 17, 2022	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Sep 15, 2022	7 Days
- Method: LTM-INO-4030 Conductivity			
Exchangeable Sodium Percentage (ESP)	Melbourne	Sep 19, 2022	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
% Moisture	Sydney	Sep 13, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Cation Exchange Capacity	Melbourne	Sep 19, 2022	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
Phenols (Halogenated)	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Sep 15, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
External Laboratory																																
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																											
1	TP216_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027718	X		X			X			X	X	X		X								X	X		X		X
2	TP216_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027719																X						X					
3	TP216_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027720						X			X	X	X											X	X				X
4	TP202_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027721							X					X		X	X	X	X		X		X	X		X			
5	TP202_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027722			X													X						X					
6	TP187_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027723			X																X			X			X		
7	TP178_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027724			X				X							X	X	X	X		X		X	X					
8	TP171_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027725			X				X					X		X	X	X	X		X		X	X		X			
9	TP171_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027726																X						X					
10	TP161_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027727			X									X		X	X	X			X			X		X			
11	TP151_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027728			X													X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																									
12	TP141_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027729			X									X				X						X		X			
13	TP131_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027730			X													X						X					
14	TP121_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027731			X									X				X						X		X			
15	TP121_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027732																X						X					
16	TP109_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027733	X		X						X							X						X	X				
17	TP097_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027734			X									X				X						X		X			
18	TP082_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027735			X				X							X	X		X		X			X			X		
19	TP067_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027736			X													X						X					
20	TP052_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027737			X									X				X						X		X			
21	TP052_0.6-0.7	Sep 12, 2022		Soil	S22-Se0027738																X						X					
22	TP066_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027739			X				X							X	X		X		X			X			X		
23	TP066_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027740	X					X			X	X	X											X	X				X
24	TP066_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027741	X					X			X	X	X											X	X				X
25	TP081_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027742			X				X							X	X		X		X			X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
26	TP096_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027743			X				X					X		X	X	X	X		X		X	X		X			
27	TP096_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027744			X				X					X		X	X	X	X				X	X		X			
28	TP096_0.3-0.4 FRAG MATERIAL	Sep 12, 2022		Building Materials	S22-Se0027745				X																							
29	TP108_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027746			X													X						X					
30	TP120_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027747			X									X				X						X		X			
31	TP130_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027748			X													X						X					
32	TP130_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027749																X						X					
33	TP140_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027750			X									X				X						X		X			
34	TP140_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027751						X			X	X	X											X	X				X
35	TP140_2.9-3.0	Sep 12, 2022		Soil	S22-Se0027752						X			X	X	X											X	X				X
36	TP150_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027753			X									X				X						X		X			
37	TP160_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027754			X				X					X		X	X	X	X		X		X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
38	TP160_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027755								X																			
39	TP177_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027756			X				X					X		X	X	X	X		X		X	X		X			
40	TP186_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027757			X									X				X							X		X		
41	TP201_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027758			X													X							X				
42	TP215_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027759			X									X				X							X		X		
43	20220912_QC 03	Sep 12, 2022		Soil	S22-Se0027760			X									X				X							X		X		
44	20220912_QC 05	Sep 12, 2022		Soil	S22-Se0027761			X				X							X	X		X		X				X			X	
45	TS	Sep 12, 2022		Water	S22-Se0027762																										X	
46	TB	Sep 12, 2022		Water	S22-Se0027763																		X										
47	TP216_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027764								X																				
48	TP216_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027765								X																				
49	TP216_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027766								X																				

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
50	TP216_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027767								X																			
51	TP202_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027768								X																			
52	TP187_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027769								X																			
53	TP187_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027770								X																			
54	TP178_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027771								X																			
55	TP171_0.2-0.3	Sep 12, 2022		Soil	S22-Se0027772								X																			
56	TP161_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027773								X																			
57	TP161_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027774								X																			
58	TP151_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027775								X																			
59	TP151_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027776								X																			
60	TP141_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027777								X																			
61	TP141_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027778								X																			
62	TP131_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027779								X																			
63	TP131_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027780								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
64	TP121_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027781								X																			
65	TP109_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027782								X																			
66	TP109_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027783								X																			
67	TP097_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027784								X																			
68	TP097_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027785								X																			
69	TP082_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027786								X																			
70	TP082_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027787								X																			
71	TP067_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027788								X																			
72	TP067_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027789								X																			
73	TP052_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027790								X																			
74	TP066_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027791								X																			
75	TP066_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027792								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
76	TP081_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027793								X																			
77	TP096_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027794								X																			
78	TP096_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027795								X																			
79	TP108_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027796								X																			
80	TP120_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027797								X																			
81	TP120_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027798								X																			
82	TP130_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027799								X																			
83	TP140_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027800								X																			
84	TP140_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027801								X																			
85	TP140_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027802								X																			
86	TP140_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027803								X																			
87	TP140_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027804								X																			
88	TP150_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027805								X																			
89	TP170_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027806		X					X					X			X	X	X			X	X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
90	TP170_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027807								X																			
91	TP170_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027808								X																			
92	TP177_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027809					X																						
93	TP177_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027810								X																			
94	TP186_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027811								X																			
95	TP201_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027812								X																			
96	TP201_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027813								X																			
97	TP215_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027814								X																			
98	TP215_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027815								X																			
99	20220912_QC 01	Sep 12, 2022		Soil	S22-Se0027816								X																			
100	20220912_QC 02	Sep 12, 2022		Soil	S22-Se0027817								X																			
101	20220912_QC 04	Sep 12, 2022		Soil	S22-Se0027818								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254															X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794	X																										
Test Counts	4	1	31	1	1	6	12	54	7	6	6	18	1	12	13	32	12	1	12	1	8	43	7	18	6	1	6

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

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

.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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	
Total PAH*	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Chloride	mg/kg	< 10			10	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Sulphate (as SO4)	mg/kg	< 10			10	Pass	
Exchangeable Sodium Percentage (ESP)	%	< 0.1			0.1	Pass	
Cyanide (total)	mg/kg	< 1			1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
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	
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							
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							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	105			70-130	Pass	
TRH C10-C14	%	124			70-130	Pass	
Naphthalene	%	109			70-130	Pass	
TRH C6-C10	%	103			70-130	Pass	
TRH >C10-C16	%	128			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	123			70-130	Pass	
Toluene	%	118			70-130	Pass	
Ethylbenzene	%	96			70-130	Pass	
m&p-Xylenes	%	100			70-130	Pass	
o-Xylene	%	93			70-130	Pass	
Xylenes - Total*	%	98			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	99			70-130	Pass	
Acenaphthylene	%	86			70-130	Pass	
Anthracene	%	88			70-130	Pass	
Benz(a)anthracene	%	91			70-130	Pass	
Benzo(a)pyrene	%	97			70-130	Pass	
Benzo(b&j)fluoranthene	%	78			70-130	Pass	
Benzo(g.h.i)perylene	%	103			70-130	Pass	
Benzo(k)fluoranthene	%	108			70-130	Pass	
Chrysene	%	97			70-130	Pass	
Dibenz(a.h)anthracene	%	102			70-130	Pass	
Fluoranthene	%	94			70-130	Pass	
Fluorene	%	104			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	100			70-130	Pass	
Naphthalene	%	94			70-130	Pass	
Phenanthrene	%	98			70-130	Pass	
Pyrene	%	96			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	103			70-130	Pass	
4.4'-DDD	%	113			70-130	Pass	
4.4'-DDE	%	97			70-130	Pass	
4.4'-DDT	%	73			70-130	Pass	
a-HCH	%	96			70-130	Pass	
Aldrin	%	102			70-130	Pass	
b-HCH	%	102			70-130	Pass	
d-HCH	%	97			70-130	Pass	
Dieldrin	%	102			70-130	Pass	
Endosulfan I	%	94			70-130	Pass	
Endosulfan II	%	109			70-130	Pass	
Endosulfan sulphate	%	89			70-130	Pass	
Endrin	%	113			70-130	Pass	
Endrin aldehyde	%	88			70-130	Pass	
Endrin ketone	%	101			70-130	Pass	
g-HCH (Lindane)	%	91			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor	%	112			70-130	Pass	
Heptachlor epoxide	%	118			70-130	Pass	
Hexachlorobenzene	%	112			70-130	Pass	
Methoxychlor	%	71			70-130	Pass	
LCS - % Recovery							
% Clay	%	97			70-130	Pass	
Chloride	%	109			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	91			70-130	Pass	
Sulphate (as SO4)	%	110			70-130	Pass	
Cyanide (total)	%	97			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	104			80-120	Pass	
Cadmium	%	104			80-120	Pass	
Chromium	%	100			80-120	Pass	
Copper	%	100			80-120	Pass	
Lead	%	101			80-120	Pass	
Mercury	%	110			80-120	Pass	
Nickel	%	99			80-120	Pass	
Zinc	%	102			80-120	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	121			70-130	Pass	
1.1.1-Trichloroethane	%	114			70-130	Pass	
1.2-Dichlorobenzene	%	125			70-130	Pass	
1.2-Dichloroethane	%	122			70-130	Pass	
Benzene	%	110			70-130	Pass	
Toluene	%	109			70-130	Pass	
Trichloroethene	%	124			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	122			70-130	Pass	
Dimethoate	%	113			70-130	Pass	
Ethion	%	115			70-130	Pass	
Fenitrothion	%	90			70-130	Pass	
Methyl parathion	%	103			70-130	Pass	
Mevinphos	%	118			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	119			70-130	Pass	
Aroclor-1260	%	89			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	82			70-130	Pass	
2.4-DB	%	71			70-130	Pass	
2.4.5-T	%	103			70-130	Pass	
2.4.5-TP	%	102			70-130	Pass	
Actril (loxynil)	%	118			70-130	Pass	
Dicamba	%	103			70-130	Pass	
Dichlorprop	%	93			70-130	Pass	
Dinitro-o-cresol	%	76			70-130	Pass	
Dinoseb	%	97			70-130	Pass	
MCPA	%	78			70-130	Pass	
MCPB	%	89			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mecoprop	%	110			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	87			25-140	Pass	
2.4-Dichlorophenol	%	82			25-140	Pass	
2.4.5-Trichlorophenol	%	77			25-140	Pass	
2.4.6-Trichlorophenol	%	97			25-140	Pass	
2.6-Dichlorophenol	%	79			25-140	Pass	
4-Chloro-3-methylphenol	%	92			25-140	Pass	
Pentachlorophenol	%	70			25-140	Pass	
Tetrachlorophenols - Total	%	71			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	32			25-140	Pass	
2-Methyl-4.6-dinitrophenol	%	89			25-140	Pass	
2-Nitrophenol	%	113			25-140	Pass	
2.4-Dimethylphenol	%	90			25-140	Pass	
2.4-Dinitrophenol	%	89			25-140	Pass	
2-Methylphenol (o-Cresol)	%	80			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	86			25-140	Pass	
4-Nitrophenol	%	95			25-140	Pass	
Dinoseb	%	90			25-140	Pass	
Phenol	%	106			25-140	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Se0027682	NCP	%	119			70-130	Pass	
TRH >C10-C16	S22-Se0027682	NCP	%	122			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0019892	NCP	%	105			70-130	Pass	
4.4'-DDD	S22-Se0031603	NCP	%	76			70-130	Pass	
4.4'-DDT	S22-Se0028604	NCP	%	91			70-130	Pass	
Aldrin	S22-Se0019892	NCP	%	119			70-130	Pass	
Endrin ketone	S22-Se0019892	NCP	%	72			70-130	Pass	
Heptachlor epoxide	S22-Se0031603	NCP	%	95			70-130	Pass	
Hexachlorobenzene	S22-Se0019892	NCP	%	117			70-130	Pass	
Methoxychlor	S22-Se0040082	NCP	%	82			70-130	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Se0027718	CP	%	99			70-130	Pass	
Sulphate (as SO4)	S22-Se0027718	CP	%	91			70-130	Pass	
Spike - % Recovery									
				Result 1					
Cyanide (total)	S22-Se0031952	NCP	%	86			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
2.4-D	M22-Se0034448	NCP	%	128			70-130	Pass	
Actril (loxynil)	M22-Se0034448	NCP	%	126			70-130	Pass	
Dichlorprop	M22-Se0034448	NCP	%	78			70-130	Pass	
MCPA	M22-Se0034448	NCP	%	127			70-130	Pass	
MCPB	M22-Se0034448	NCP	%	109			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Arsenic	S22-Se0027722	CP	%	90			75-125	Pass	
Cadmium	S22-Se0027722	CP	%	92			75-125	Pass	
Chromium	S22-Se0027722	CP	%	83			75-125	Pass	
Copper	S22-Se0027722	CP	%	80			75-125	Pass	
Lead	S22-Se0027722	CP	%	105			75-125	Pass	
Mercury	S22-Se0027722	CP	%	92			75-125	Pass	
Nickel	S22-Se0027722	CP	%	79			75-125	Pass	
Zinc	S22-Se0027722	CP	%	85			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDE	S22-Se0027727	CP	%	120			70-130	Pass	
a-HCH	S22-Se0027727	CP	%	115			70-130	Pass	
b-HCH	S22-Se0027727	CP	%	106			70-130	Pass	
d-HCH	S22-Se0027727	CP	%	112			70-130	Pass	
Dieldrin	S22-Se0027727	CP	%	130			70-130	Pass	
Endosulfan I	S22-Se0027727	CP	%	115			70-130	Pass	
Endosulfan II	S22-Se0027727	CP	%	101			70-130	Pass	
Endosulfan sulphate	S22-Se0027727	CP	%	109			70-130	Pass	
Endrin	S22-Se0027727	CP	%	128			70-130	Pass	
Endrin aldehyde	S22-Se0027727	CP	%	112			70-130	Pass	
g-HCH (Lindane)	S22-Se0027727	CP	%	135			70-130	Fail	Q08
Heptachlor	S22-Se0027727	CP	%	130			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0027727	CP	%	117			70-130	Pass	
Ethion	S22-Se0027727	CP	%	116			70-130	Pass	
Fenitrothion	S22-Se0027727	CP	%	95			70-130	Pass	
Methyl parathion	S22-Se0027727	CP	%	98			70-130	Pass	
Mevinphos	S22-Se0027727	CP	%	77			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0027727	CP	%	95			70-130	Pass	
Aroclor-1260	S22-Se0027727	CP	%	105			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0027735	CP	%	77			70-130	Pass	
Naphthalene	S22-Se0027735	CP	%	85			70-130	Pass	
TRH C6-C10	S22-Se0027735	CP	%	75			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0027735	CP	%	89			70-130	Pass	
Toluene	S22-Se0027735	CP	%	83			70-130	Pass	
Ethylbenzene	S22-Se0027735	CP	%	77			70-130	Pass	
m&p-Xylenes	S22-Se0027735	CP	%	79			70-130	Pass	
o-Xylene	S22-Se0027735	CP	%	75			70-130	Pass	
Xylenes - Total*	S22-Se0027735	CP	%	77			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Dimethoate	S22-Se0019312	NCP	%	77			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0027746	CP	%	101			75-125	Pass	
Cadmium	S22-Se0027746	CP	%	102			75-125	Pass	
Chromium	S22-Se0027746	CP	%	94			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Copper	S22-Se0027746	CP	%	96			75-125	Pass	
Lead	S22-Se0027746	CP	%	94			75-125	Pass	
Mercury	S22-Se0027746	CP	%	115			75-125	Pass	
Nickel	S22-Se0027746	CP	%	99			75-125	Pass	
Zinc	S22-Se0027746	CP	%	77			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0027759	CP	%	99			75-125	Pass	
Cadmium	S22-Se0027759	CP	%	98			75-125	Pass	
Chromium	S22-Se0027759	CP	%	95			75-125	Pass	
Copper	S22-Se0027759	CP	%	92			75-125	Pass	
Lead	S22-Se0027759	CP	%	88			75-125	Pass	
Mercury	S22-Se0027759	CP	%	103			75-125	Pass	
Nickel	S22-Se0027759	CP	%	94			75-125	Pass	
Zinc	S22-Se0027759	CP	%	84			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
				Result 1	Result 2	RPD			
% Clay	B22-Se0037323	NCP	%	8.2	8.2	<1	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0027718	CP	pH Units	6.7	6.7	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0027721	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0027721	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0027721	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0027721	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0027721	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0027721	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0027721	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0027721	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0027721	CP	mg/kg	9.4	9.2	3.0	30%	Pass	
Cadmium	S22-Se0027721	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0027721	CP	mg/kg	16	16	3.4	30%	Pass	
Copper	S22-Se0027721	CP	mg/kg	9.7	8.8	9.2	30%	Pass	
Lead	S22-Se0027721	CP	mg/kg	22	19	13	30%	Pass	
Mercury	S22-Se0027721	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0027721	CP	mg/kg	5.8	5.6	3.1	30%	Pass	
Zinc	S22-Se0027721	CP	mg/kg	23	20	17	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
1.2-Dichloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.2-Dichloropropane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.2.3-Trichloropropane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.2.4-Trimethylbenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.3-Dichlorobenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.3-Dichloropropane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.3.5-Trimethylbenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
1.4-Dichlorobenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2-Butanone (MEK)	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2-Propanone (Acetone)	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chlorotoluene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Methyl-2-pentanone (MIBK)	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Allyl chloride	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Bromobenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Bromochloromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Bromodichloromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Bromoform	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Bromomethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Carbon disulfide	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Carbon Tetrachloride	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chlorobenzene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chloroethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chloroform	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chloromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
cis-1.2-Dichloroethene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
cis-1.3-Dichloropropene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibromochloromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibromomethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dichlorodifluoromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Iodomethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Isopropyl benzene (Cumene)	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Methylene Chloride	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Styrene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Tetrachloroethene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
trans-1.2-Dichloroethene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
trans-1.3-Dichloropropene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Trichloroethene	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Trichlorofluoromethane	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Vinyl chloride	S22-Se0027721	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Acid Herbicides				Result 1	Result 2	RPD		
2.4-D	M22-Se0034443	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2.4-DB	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2.4.5-T	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2.4.5-TP	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Actril (loxynil)	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dicamba	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dichlorprop	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dinitro-o-cresol	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dinoseb	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPA	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPB	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Mecoprop	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0027725	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0027725	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Ethion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0027725	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0027725	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0027725	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0027725	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0027725	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0027725	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0027725	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0027725	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0027725	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0027725	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0027725	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0027725	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0027725	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0027725	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0027725	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0027725	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0027725	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0027727	CP	%	17	16	8.9	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0027731	CP	mg/kg	14	15	12	30%	Pass	
Cadmium	S22-Se0027731	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0027731	CP	mg/kg	20	24	17	30%	Pass	
Copper	S22-Se0027731	CP	mg/kg	6.2	6.9	12	30%	Pass	
Lead	S22-Se0027731	CP	mg/kg	16	24	37	30%	Fail	
Mercury	S22-Se0027731	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0027731	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0027731	CP	mg/kg	10	13	22	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0027734	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Se0027734	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0027734	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0027734	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0027734	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0027734	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0027734	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0027734	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0027734	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0027737	CP	%	15	15	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0027738	CP	%	18	18	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Cyanide (total)	S22-Se0027743	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0027744	CP	mg/kg	12	13	6.0	30%	Pass	
Cadmium	S22-Se0027744	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0027744	CP	mg/kg	18	21	16	30%	Pass	
Copper	S22-Se0027744	CP	mg/kg	27	30	10	30%	Pass	
Lead	S22-Se0027744	CP	mg/kg	20	22	11	30%	Pass	
Mercury	S22-Se0027744	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0027744	CP	mg/kg	7.7	8.1	5.4	30%	Pass	
Zinc	S22-Se0027744	CP	mg/kg	45	53	15	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0027749	CP	%	19	18	1.9	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Chloride	S22-Se0027751	CP	mg/kg	900	950	5.6	30%	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S22-Se0027751	CP	uS/cm	520	480	7.9	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0027751	CP	pH Units	4.7	4.7	<1	30%	Pass	
Salinity (determined from EC)*	S22-Se0027751	CP	mg/kg	250	230	7.9	30%	Pass	
Sulphate (as SO4)	S22-Se0027751	CP	mg/kg	53	59	11	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0027754	CP	mg/kg	22	< 20	16	30%	Pass	
TRH C15-C28	S22-Se0027754	CP	mg/kg	100	90	10	30%	Pass	
TRH C29-C36	S22-Se0027754	CP	mg/kg	160	170	2.8	30%	Pass	
TRH >C10-C16	S22-Se0027754	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0027754	CP	mg/kg	190	190	3.1	30%	Pass	
TRH >C34-C40	S22-Se0027754	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0027760	CP	%	16	12	5.4	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:

Quinn Raw	Analytical Services Manager
Chamath JHM Annakkage	Senior Analyst-Asbestos
Gabriele Cordero	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Joseph Edouard	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Scott Beddoes	Senior Analyst-Metal

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Certificate of Analysis

Environment Testing

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Sahani Gunatunge
Report	923050-AID
Project Name	GUNTAWONG RD DSI
Project ID	62343
Received Date	Sep 13, 2022
Date Reported	Sep 21, 2022

Methodology:

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

Project Name GUNTAWONG RD DSI
Project ID 62343
Date Sampled Sep 12, 2022
Report 923050-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP216_0.0-0.1	22-Se0027718	Sep 12, 2022	Approximate Sample 494g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP202_0.3-0.4	22-Se0027722	Sep 12, 2022	Approximate Sample 502g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP187_0.0-0.1	22-Se0027723	Sep 12, 2022	Approximate Sample 648g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP178_0.0-0.1	22-Se0027724	Sep 12, 2022	Approximate Sample 360g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP171_0.0-0.1	22-Se0027725	Sep 12, 2022	Approximate Sample 515g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP161_0.0-0.1	22-Se0027727	Sep 12, 2022	Approximate Sample 578g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP151_0.3-0.4	22-Se0027728	Sep 12, 2022	Approximate Sample 764g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP141_0.0-0.1	22-Se0027729	Sep 12, 2022	Approximate Sample 557g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP131_0.3-0.4	22-Se0027730	Sep 12, 2022	Approximate Sample 683g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP121_0.0-0.1	22-Se0027731	Sep 12, 2022	Approximate Sample 653g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP109_0.0-0.1	22-Se0027733	Sep 12, 2022	Approximate Sample 600g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP097_0.3-0.4	22-Se0027734	Sep 12, 2022	Approximate Sample 575g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP082_0.0-0.1	22-Se0027735	Sep 12, 2022	Approximate Sample 626g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP067_0.0-0.1	22-Se0027736	Sep 12, 2022	Approximate Sample 596g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP052_0.0-0.1	22-Se0027737	Sep 12, 2022	Approximate Sample 643g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP066_0.0-0.1	22-Se0027739	Sep 12, 2022	Approximate Sample 580g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP081_0.0-0.1	22-Se0027742	Sep 12, 2022	Approximate Sample 660g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP096_0.0-0.1	22-Se0027743	Sep 12, 2022	Approximate Sample 543g Sample consisted of: Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP096_0.3-0.4	22-Se0027744	Sep 12, 2022	Approximate Sample 507g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP096_0.3-0.4 FRAG MATERIAL	22-Se0027745	Sep 12, 2022	Approximate Sample 88g / 170x95x3mm Sample consisted of: Grey fibre plaster cement material	Chrysotile asbestos detected.
TP108_0.0-0.1	22-Se0027746	Sep 12, 2022	Approximate Sample 762g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP120_0.0-0.1	22-Se0027747	Sep 12, 2022	Approximate Sample 611g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP130_0.0-0.1	22-Se0027748	Sep 12, 2022	Approximate Sample 502g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP140_0.0-0.1	22-Se0027750	Sep 12, 2022	Approximate Sample 673g Sample consisted of: Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP150_0.0-0.1	22-Se0027753	Sep 12, 2022	Approximate Sample 684g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP160_0.0-0.1	22-Se0027754	Sep 12, 2022	Approximate Sample 721g Sample consisted of: Brown fine-grained clayey soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP177_0.0-0.1	22-Se0027756	Sep 12, 2022	Approximate Sample 636g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP186_0.0-0.1	22-Se0027757	Sep 12, 2022	Approximate Sample 648g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP201_0.0-0.1	22-Se0027758	Sep 12, 2022	Approximate Sample 659g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP215_0.0-0.1	22-Se0027759	Sep 12, 2022	Approximate Sample 615g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220912_QC03	22-Se0027760	Sep 12, 2022	Approximate Sample 603g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220912_QC05	22-Se0027761	Sep 12, 2022	Approximate Sample 640g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP170_0.0-0.1	22-Se0027806	Sep 12, 2022	Approximate Sample 52g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Sep 15, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 15, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 15, 2022	Indefinite

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
External Laboratory																																
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																											
1	TP216_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027718	X		X			X			X	X	X		X								X	X		X		X
2	TP216_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027719																X						X					
3	TP216_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027720						X			X	X	X											X	X				X
4	TP202_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027721							X					X		X	X	X	X		X		X	X		X			
5	TP202_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027722			X													X						X					
6	TP187_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027723			X																X			X			X		
7	TP178_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027724			X				X							X	X	X	X		X		X	X					
8	TP171_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027725			X				X					X		X	X	X	X		X		X	X		X			
9	TP171_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027726																X						X					
10	TP161_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027727			X									X		X	X	X			X			X		X			
11	TP151_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027728			X													X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																									
12	TP141_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027729			X									X				X						X		X			
13	TP131_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027730			X													X						X					
14	TP121_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027731			X									X				X						X		X			
15	TP121_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027732																X						X					
16	TP109_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027733	X		X						X							X						X	X				
17	TP097_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027734			X									X				X						X		X			
18	TP082_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027735			X				X							X	X		X		X			X			X		
19	TP067_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027736			X													X						X					
20	TP052_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027737			X									X				X						X		X			
21	TP052_0.6-0.7	Sep 12, 2022		Soil	S22-Se0027738																X						X					
22	TP066_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027739			X				X							X	X		X		X			X			X		
23	TP066_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027740	X					X			X	X	X											X	X				X
24	TP066_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027741	X					X			X	X	X											X	X				X
25	TP081_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027742			X				X							X	X		X		X			X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
26	TP096_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027743			X				X					X		X	X	X	X		X		X	X		X			
27	TP096_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027744			X				X					X		X	X	X	X				X	X		X			
28	TP096_0.3-0.4 FRAG MATERIAL	Sep 12, 2022		Building Materials	S22-Se0027745				X																							
29	TP108_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027746			X													X						X					
30	TP120_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027747			X									X				X						X		X			
31	TP130_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027748			X													X						X					
32	TP130_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027749																X						X					
33	TP140_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027750			X									X				X						X		X			
34	TP140_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027751						X			X	X	X											X	X				X
35	TP140_2.9-3.0	Sep 12, 2022		Soil	S22-Se0027752						X			X	X	X											X	X				X
36	TP150_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027753			X									X				X						X		X			
37	TP160_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027754			X				X					X		X	X	X	X		X		X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
38	TP160_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027755								X																			
39	TP177_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027756			X				X					X		X	X	X	X		X		X	X		X			
40	TP186_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027757			X									X				X								X			
41	TP201_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027758			X													X								X			
42	TP215_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027759			X									X				X								X			
43	20220912_QC 03	Sep 12, 2022		Soil	S22-Se0027760			X									X				X								X			
44	20220912_QC 05	Sep 12, 2022		Soil	S22-Se0027761			X				X							X	X		X		X			X			X		
45	TS	Sep 12, 2022		Water	S22-Se0027762																										X	
46	TB	Sep 12, 2022		Water	S22-Se0027763																		X									
47	TP216_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027764								X																			
48	TP216_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027765								X																			
49	TP216_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027766								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
50	TP216_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027767								X																			
51	TP202_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027768								X																			
52	TP187_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027769								X																			
53	TP187_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027770								X																			
54	TP178_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027771								X																			
55	TP171_0.2-0.3	Sep 12, 2022		Soil	S22-Se0027772								X																			
56	TP161_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027773								X																			
57	TP161_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027774								X																			
58	TP151_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027775								X																			
59	TP151_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027776								X																			
60	TP141_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027777								X																			
61	TP141_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027778								X																			
62	TP131_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027779								X																			
63	TP131_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027780								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
64	TP121_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027781								X																			
65	TP109_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027782								X																			
66	TP109_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027783								X																			
67	TP097_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027784								X																			
68	TP097_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027785								X																			
69	TP082_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027786								X																			
70	TP082_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027787								X																			
71	TP067_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027788								X																			
72	TP067_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027789								X																			
73	TP052_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027790								X																			
74	TP066_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027791								X																			
75	TP066_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027792								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
76	TP081_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027793								X																			
77	TP096_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027794								X																			
78	TP096_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027795								X																			
79	TP108_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027796								X																			
80	TP120_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027797								X																			
81	TP120_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027798								X																			
82	TP130_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027799								X																			
83	TP140_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027800								X																			
84	TP140_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027801								X																			
85	TP140_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027802								X																			
86	TP140_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027803								X																			
87	TP140_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027804								X																			
88	TP150_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027805								X																			
89	TP170_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027806		X					X					X			X	X	X			X	X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
90	TP170_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027807								X																			
91	TP170_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027808								X																			
92	TP177_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027809					X																						
93	TP177_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027810								X																			
94	TP186_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027811								X																			
95	TP201_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027812								X																			
96	TP201_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027813								X																			
97	TP215_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027814								X																			
98	TP215_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027815								X																			
99	20220912_QC 01	Sep 12, 2022		Soil	S22-Se0027816								X																			
100	20220912_QC 02	Sep 12, 2022		Soil	S22-Se0027817								X																			
101	20220912_QC 04	Sep 12, 2022		Soil	S22-Se0027818								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 20, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254															X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794	X																										
Test Counts	4	1	31	1	1	6	12	54	7	6	6	18	1	12	13	32	12	1	12	1	8	43	7	18	6	1	6

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

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

Calculations

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

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

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

Terms

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

Comments

22-Se0027806: The sample received was not collected in an approved asbestos bag and was therefore sub-sampled from the 250mL glass jar. Valid sub-sampling procedures were applied so as to ensure that the sub-sample to be analysed accurately represented the sample received.

22-Se0027718 and 22-Se0027724: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

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

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Chamath JHM Annakkage	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **923050-W**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 13, 2022

Client Sample ID			**TS**	**TB**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S22-Se0027762**	**S22-Se0027763**
Date Sampled			**Sep 12, 2022**	**Sep 12, 2022**
Test/Reference	LOR	Unit		
BTEX				
Benzene	1	%	120	-
Ethylbenzene	1	%	110	-
m&p-Xylenes	1	%	120	-
o-Xylene	1	%	110	-
Toluene	1	%	120	-
Xylenes - Total	1	%	110	-
4-Bromofluorobenzene (surr.)	1	%	105	-
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	84

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
BTEX	Sydney	Sep 13, 2022	14 Days

- Method: LTM-ORG-2010 BTEX and Volatile TRH

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
External Laboratory																																
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																											
1	TP216_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027718	X		X			X			X	X	X		X								X	X		X		X
2	TP216_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027719																X						X					
3	TP216_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027720						X			X	X	X											X	X				X
4	TP202_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027721							X					X		X	X	X	X		X		X	X		X			
5	TP202_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027722			X													X						X					
6	TP187_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027723			X																X			X			X		
7	TP178_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027724			X				X							X	X	X	X		X		X	X					
8	TP171_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027725			X				X					X		X	X	X	X		X		X	X		X			
9	TP171_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027726																X						X					
10	TP161_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027727			X									X		X	X	X			X			X		X			
11	TP151_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027728			X													X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																									
12	TP141_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027729			X									X				X						X		X			
13	TP131_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027730			X													X						X					
14	TP121_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027731			X									X				X						X		X			
15	TP121_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027732																X						X					
16	TP109_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027733	X		X						X							X						X	X				
17	TP097_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027734			X									X				X						X		X			
18	TP082_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027735			X				X							X	X		X		X			X			X		
19	TP067_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027736			X													X						X					
20	TP052_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027737			X									X				X						X		X			
21	TP052_0.6-0.7	Sep 12, 2022		Soil	S22-Se0027738																X						X					
22	TP066_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027739			X				X							X	X		X		X			X			X		
23	TP066_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027740	X					X			X	X	X											X	X				X
24	TP066_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027741	X					X			X	X	X											X	X				X
25	TP081_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027742			X				X							X	X		X		X			X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
26	TP096_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027743			X				X					X		X	X	X	X		X		X	X		X			
27	TP096_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027744			X				X					X		X	X	X	X				X	X		X			
28	TP096_0.3-0.4 FRAG MATERIAL	Sep 12, 2022		Building Materials	S22-Se0027745				X																							
29	TP108_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027746			X													X						X					
30	TP120_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027747			X									X				X						X		X			
31	TP130_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027748			X													X						X					
32	TP130_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027749																X						X					
33	TP140_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027750			X									X				X						X		X			
34	TP140_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027751						X			X	X	X											X	X				X
35	TP140_2.9-3.0	Sep 12, 2022		Soil	S22-Se0027752						X			X	X	X											X	X				X
36	TP150_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027753			X									X				X						X		X			
37	TP160_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027754			X				X					X		X	X	X	X		X		X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
38	TP160_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027755								X																			
39	TP177_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027756			X				X					X		X	X	X	X		X		X	X		X			
40	TP186_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027757			X									X				X							X		X		
41	TP201_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027758			X													X							X				
42	TP215_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027759			X									X				X							X		X		
43	20220912_QC 03	Sep 12, 2022		Soil	S22-Se0027760			X									X				X							X		X		
44	20220912_QC 05	Sep 12, 2022		Soil	S22-Se0027761			X				X							X	X		X		X				X			X	
45	TS	Sep 12, 2022		Water	S22-Se0027762																										X	
46	TB	Sep 12, 2022		Water	S22-Se0027763																		X										
47	TP216_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027764								X																				
48	TP216_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027765								X																				
49	TP216_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027766								X																				

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
50	TP216_2.5-2.6	Sep 12, 2022		Soil	S22-Se0027767								X																			
51	TP202_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027768								X																			
52	TP187_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027769								X																			
53	TP187_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027770								X																			
54	TP178_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027771								X																			
55	TP171_0.2-0.3	Sep 12, 2022		Soil	S22-Se0027772								X																			
56	TP161_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027773								X																			
57	TP161_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027774								X																			
58	TP151_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027775								X																			
59	TP151_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027776								X																			
60	TP141_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027777								X																			
61	TP141_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027778								X																			
62	TP131_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027779								X																			
63	TP131_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027780								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
64	TP121_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027781								X																			
65	TP109_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027782								X																			
66	TP109_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027783								X																			
67	TP097_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027784								X																			
68	TP097_0.4-0.5	Sep 12, 2022		Soil	S22-Se0027785								X																			
69	TP082_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027786								X																			
70	TP082_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027787								X																			
71	TP067_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027788								X																			
72	TP067_0.55-0.65	Sep 12, 2022		Soil	S22-Se0027789								X																			
73	TP052_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027790								X																			
74	TP066_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027791								X																			
75	TP066_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027792								X																			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
76	TP081_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027793								X																			
77	TP096_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027794								X																			
78	TP096_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027795								X																			
79	TP108_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027796								X																			
80	TP120_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027797								X																			
81	TP120_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027798								X																			
82	TP130_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027799								X																			
83	TP140_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027800								X																			
84	TP140_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027801								X																			
85	TP140_1.0-1.1	Sep 12, 2022		Soil	S22-Se0027802								X																			
86	TP140_1.5-1.6	Sep 12, 2022		Soil	S22-Se0027803								X																			
87	TP140_2.0-2.1	Sep 12, 2022		Soil	S22-Se0027804								X																			
88	TP150_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027805								X																			
89	TP170_0.0-0.1	Sep 12, 2022		Soil	S22-Se0027806		X					X					X			X	X	X			X	X	X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																				X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																										
90	TP170_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027807								X																			
91	TP170_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027808								X																			
92	TP177_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027809					X																						
93	TP177_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027810								X																			
94	TP186_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027811								X																			
95	TP201_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027812								X																			
96	TP201_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027813								X																			
97	TP215_0.3-0.4	Sep 12, 2022		Soil	S22-Se0027814								X																			
98	TP215_0.5-0.6	Sep 12, 2022		Soil	S22-Se0027815								X																			
99	20220912_QC 01	Sep 12, 2022		Soil	S22-Se0027816								X																			
100	20220912_QC 02	Sep 12, 2022		Soil	S22-Se0027817								X																			
101	20220912_QC 04	Sep 12, 2022		Soil	S22-Se0027818								X																			

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923050
Phone: 02 8245 0300
Fax:

Received: Sep 13, 2022 3:09 PM
Due: Sep 16, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	CANCELLED	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254															X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794	X																										
Test Counts	4	1	31	1	1	6	12	54	7	6	6	18	1	12	13	32	12	1	12	1	8	43	7	18	6	1	6

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

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

.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	109			70-130	Pass	
Toluene	%	115			70-130	Pass	
Ethylbenzene	%	115			70-130	Pass	
m&p-Xylenes	%	121			70-130	Pass	
o-Xylene	%	115			70-130	Pass	
Xylenes - Total*	%	119			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0020888	NCP	%	97			70-130	Pass	
Toluene	S22-Se0020888	NCP	%	106			70-130	Pass	
Ethylbenzene	S22-Se0020888	NCP	%	104			70-130	Pass	
m&p-Xylenes	S22-Se0020888	NCP	%	100			70-130	Pass	
o-Xylene	S22-Se0020888	NCP	%	97			70-130	Pass	
Xylenes - Total*	S22-Se0020888	NCP	%	99			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0020887	NCP	mg/L	0.004	0.005	4.3	30%	Pass	
Toluene	S22-Se0020887	NCP	mg/L	0.003	0.003	<1	30%	Pass	
Ethylbenzene	S22-Se0020887	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Se0020887	NCP	mg/L	0.008	0.007	7.1	30%	Pass	
o-Xylene	S22-Se0020887	NCP	mg/L	0.006	0.006	3.7	30%	Pass	
Xylenes - Total*	S22-Se0020887	NCP	mg/L	0.014	0.013	2.2	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:

Quinn Raw	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody 1/6

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: SG, ST, LH, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~; (4) stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	opp & acid herbicide	Cyanide and phenols	CEC, pH, %clay	Salinity/EC	CEC	ESP	pH	Sulfate & chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP216 - 0.0 - 0.1	soil	12/09/22		Jar + Bag + ice		x	x	x	x			x			x	x	x	x	x	x					* ASBESTOS - 500ML NEP
- 0.3 - 0.4				↓																					
- 0.5 - 0.6				Jar + ice		x																			
- 1.0 - 1.1																x	x	x	x	x					
- 1.5 - 1.6																									
- 2.0 - 2.1																									
- 2.5 - 2.6																									
TP202 - 0.0 - 0.1				Jar + Bag + ice		x		x		x	x	x	x	x											
- 0.3 - 0.4				↓		x	x																		
- 0.5 - 0.6				Jar + ice																					
TP187 - 0.0 - 0.1				Jar + Bag + ice		x	x	x	x		x	x													
- 0.3 - 0.4				↓																					
- 0.5 - 0.6				Jar + ice																					
TP178 - 0.0 - 0.1				Jar + Bag + ice		x	x			x	x	x	x	x											
- 0.3 - 0.4				Jar + ice																					
TP171 - 0.0 - 0.1				Jar + Bag + ice		x	x	x		x	x	x	x	x											
- 0.2 - 0.3				↓																					
- 0.4 - 0.5				Jar + ice		x																			
TP161 - 0.0 - 0.1	↓	↓		Jar + Bag + ice		x	x	x			x	x	x												

RELINQUISHED BY:
NAME: Serena DATE: 12/09/22
OF: JBS&G Tran

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.

RECEIVED BY:
NAME: J Sharpe
DATE: 13/09/22 3:09PM
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP 5.8 deg C #9 23050

NAME: DATE:
OF:

CONSIGNMENT NOTE NO.
TRANSPORT CO

NAME: DATE:
OF:

COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody 2/6

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: SG, ST, LH, LW
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~, (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TPH/PAH	BTEX	VOC	PCB	OCP	OPP/acid herbicide	cyanide & phenols	CEC, pH, % clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP16 - 0.3-0.4	SOIL	12/09/22		Jar + Bag + ice														
↓ 0.4-0.5	↓	↓		Jar + ice														
TP15 - 0.0-0.1				Jar + Bag + ice														
↓ - 0.3-0.4				↓		X	X											
↓ - 0.5-0.6				Jar + ice														
TP14 - 0.0-0.1				Jar + Bag + ice		X	X	X										
↓ - 0.3-0.4				↓														
↓ - 0.4-0.5				Jar + ice														
TP13 - 0.0-0.1				Jar + Bag + ice														
↓ 0.3-0.4				↓		X	X											
↓ 0.4-0.5				Jar + ice														
TP12 - 0.0-0.1				Jar + Bag + ice		X	X	X										
↓ - 0.3-0.4				↓														
↓ - 0.5-0.6				Jar + ice		X												
TP09 - 0.0-0.1				Jar + Bag + ice		X	X							X				
↓ - 0.3-0.4				↓														
↓ - 0.5-0.6				Jar + ice														
TP09 - 0.0-0.1				Jar + Bag + ice														
↓ - 0.3-0.4	↓	↓		↓		X	X	X										

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 12/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody 3/6

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: SG, ST, LH, LW
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) esmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity (EC)	CEC	ESP	pH	Sulfate chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP097_0.4-0.5	SOIL	12/09		Jar + Ice																						
TP082_0.0-0.1				Jar + Bag + Ice		X	X	X	X		X	X	X	X												
↓ -0.3-0.4				↓																						
↓ -0.55-0.65				Jar + Ice																						
TP067_0.0-0.1				Jar + Bag + Ice		X	X																			
↓ -0.3-0.4				↓																						
↓ -0.55-0.65				Jar + Ice																						
TP052_0.0-0.1				Jar + Bag + Ice		X	X	X																		
↓ -0.3-0.4				Jar + Ice																						
↓ -0.6-0.7				↓		X																				
TP066 0-0.1				Jar + Bag + Ice		X	X	X	X		X	X	X	X												
0.3-0.4				Jar + Ice																						
0.5-0.6				↓											X	X	X	X	X	X						
1.0-1.1															X	X	X	X	X	X						
1.5-1.6																										
TP081 0-0.1				Jar + Bag + Ice		X	X	X	X		X	X	X	X												
↓ 0.3-0.4				Jar + Ice																						
TP096 0-0.1				Jar + Bag + Ice		X	X	X			X	X	X	X												
↓ 0.3-0.4				Jar + Bag + Ice		X	X	X			X	X	X	X												

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 12/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

4/6

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: SG, ST, LH, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7733
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~ (4) stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	Asbestos	TPH/PAH	BTEX	VOC	PCB	OCP	OPPs acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity/EC	CEC	ESP	PH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP096 0.3-0.4	frag material	12/09/22		bag			X																X		
0.5-0.6	soil			jar + ice																					
1.0-1.0				"																					
TP108 0-0.1				jar+bag+ice		X	X																		
0.3-0.4				jar + ice																					
TP120 0-0.1				jar+bag+ice		X	X	X																	
0.3-0.4				jar+ice																					
0.5-0.6				"																					
TP130 0-0.1				j+b+ice		X	X																		
0.3-0.4				jar + ice																					
0.5-0.6				jar+ice.		X																			
TP140 0-0.1				jar+bag+ice		X	X	X																	
0.3-0.4				jar+ice																					
0.5-0.6																									
1.0-1.1																									
1.5-1.6																									
2.0-2.1																									
2.5-2.6																X	X	X	X	X					
2.9-3.0																X	X	X	X	X					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DAN DATE: 12/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Quntawong Road DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: SA, ST, LH, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7118
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) squnatunge@jbsg.com.au; (3) stan@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH 10/4/H	BTEX	VOC	PCB	OCP	OPP & acid herbicide	cyanide & phenol	CEC, pH, % clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP150 0.0-0.1	SOIL	12/9/22		jar bag tice		X	X	X										
↓ 0.3-0.4				jar tice														
TP160 0.0-0.1				jar tbag tice		X	X	X	.	X	X	X	X	X				
↓ 0.3-0.4				jar tice														
TP170 0-0.1				jar tbag tice		X	X	X		X	X	X	X	X				
↓ 0.3-0.4				jar tice														
↓ 0.5-0.6				"														
TP177 0-0.1				jar tbag tice		X	X	X		X	X	X	X	X				
↓ 0.3-0.4				jar tice														
↓ 0.5-0.6				"														
TP186 0-0.1				jar tbag tice		X	X	X										
" 0.3-0.4				jar tice														
TP201 0-0.1				jar tbag tice		X	X											
↓ 0.3-0.4				jar tice														
↓ 0.5-0.6				↓														
TP215 0-0.1				jar tbag tice		X	X	X										
↓ 0.3-0.4				jar tice														
↓ 0.5-0.6				↓														

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 12/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	COOLER TEMP ..... deg C
		OF:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

6/6

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: SG, ST, LH, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) Squinatinge@jbsg.com.au; (3) Stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP's acid herbicide	cyanide & phenols	CEC, pH, % clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
20220912_QC01	SOIL	12/09	22	jar+bag+ice														
20220912-QC02				jar+ice														
20220912-QC03				jar+bag+ice		X	X	X										
20220912-QC04				jar+ice														
20220912_QC5				jar+bag+ice		X	X	X	X		X	X	X	X				
20220912-QC6				↓														
20220912_QA01				jar+bag+ice		Please forward to Envirolab.												
20220912-QA02				jar+ice														
20220912-QA03				jar+bag+ice														
20220912-QA04	↓	↓		jar+ice.														
TS/TP	water	"		vials+ice					X									

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Envirolab

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH, LW, SGV
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH / PAH	BTEX	VOC	PCB	OCP	OPP acid herbicide	cyanide & phenols	CEC, pH, % clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
20220912_QA01	soil	12/09		Jar + Bag + ice														
QA02	↓	↓		Jar + ice														
QA03	↓	↓		Jar + Bag + ice		X	X	X										
QA04	↓	↓		Jar + ice.														
20220912_QC6	↓	↓		jar + bag + ice		X	X	X	X		X	X	X	X				

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 12/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

RE: Attention : Eurofins Sample Receipt Advice - Report 923050 : Site GUNTAWONG RD DSI (62343)

Sahani Gunatunge <SGunatunge@jbsg.com.au>

Thu 2022-09-15 2:15 PM

To: #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

Cc: Serena Tran <stran@jbsg.com.au>

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Ashmini,

Please procced with Asbestos-AS4964 for sample TP170_0.0-0.1.

Kind Regards,

Sahani Gunatunge | Senior Project Manager | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0410 240 607 | E: sgunatunge@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Tuesday, 13 September 2022 11:16 PM
To: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Cc: Serena Tran <stran@jbsg.com.au>
Subject: Attention : Eurofins Sample Receipt Advice - Report 923050 : Site GUNTAWONG RD DSI (62343)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Dear Valued Client,

Hold Sample ID TP177_0.3-0.4 not received. |

Asbestos bag for TP170_0.0-0.1 not received, Abestos-WA analysis cancelled. Please advise if you would like to procced with Asbestos-AS4964. |

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

Regards

Ashmini Sinharage
Sample Receipt

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

View our latest EnviroNotes
How did we do? Provide your feedback here

eurofins | Environment Testing

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

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG RD DSI
Project ID:	62343
Turnaround time:	3 Day
Date/Time received	Sep 13, 2022 3:09 PM
Eurofins reference	923050

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 5.8 degrees Celsius.
✗	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

Sample ID TP177_0.3-0.4 not received. | Asbestos bag for TP170_0.0-0.1 not received, Abestos-WA analysis cancelled. Please advise if you would like to procced with Asbestos-AS4964. |

Contact

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

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

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **923582-S**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 14, 2022

Client Sample ID			TP001_0.0-0.1	TP001_0.45-0.55	TP007_0.0-0.1	TP007_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031581	S22-Se0031582	S22-Se0031583	S22-Se0031584
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	21	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
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	%	116	-	-	-
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	-	-	-

Client Sample ID			TP001_0.0-0.1	TP001_0.45-0.55	TP007_0.0-0.1	TP007_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031581	S22-Se0031582	S22-Se0031583	S22-Se0031584
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	95	-	-	-
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	-	-	-
Dibutylchlorendate (surr.)	1	%	94	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	117	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	16	24	14	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	26	20	18
Copper	5	mg/kg	14	32	12	19
Lead	5	mg/kg	27	22	29	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	10	9.7	6.0	< 5
Zinc	5	mg/kg	42	68	24	19
% Moisture	1	%	12	17	16	20

Client Sample ID			TP020_0.0-0.1	TP033_0.0-0.1	TP047_0.0-0.1	TP062_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031585	S22-Se0031586	S22-Se0031587	S22-Se0031588
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	52	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	52	-	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-

Client Sample ID			TP020_0.0-0.1	TP033_0.0-0.1	TP047_0.0-0.1	TP062_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031585	S22-Se0031586	S22-Se0031587	S22-Se0031588
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
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	%	-	-	101	-
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	%	97	-	109	-
p-Terphenyl-d14 (surr.)	1	%	110	-	118	-
Heavy Metals						
Arsenic	2	mg/kg	14	12	18	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	19	28	22
Copper	5	mg/kg	11	12	24	16
Lead	5	mg/kg	22	23	43	36
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.8	< 5	7.2	7.4
Zinc	5	mg/kg	25	23	36	52
% Moisture	1	%	9.0	9.1	14	16

Client Sample ID			TP020_0.0-0.1	TP033_0.0-0.1	TP047_0.0-0.1	TP062_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031585	S22-Se0031586	S22-Se0031587	S22-Se0031588
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	%	-	-	78	83
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	%	-	-	-	150
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	116
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			TP020_0.0-0.1	TP033_0.0-0.1	TP047_0.0-0.1	TP062_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031585	S22-Se0031586	S22-Se0031587	S22-Se0031588
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	%	-	-	-	128

Client Sample ID			TP062_0.4-0.5	TP077_0.0-0.1	TP038_0.0-0.1	TP025_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031589	S22-Se0031590	S22-Se0031591	S22-Se0031592
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-

Client Sample ID			TP062_0.4-0.5	TP077_0.0-0.1	TP038_0.0-0.1	TP025_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031589	S22-Se0031590	S22-Se0031591	S22-Se0031592
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	%	-	-	100	-
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	%	-	113	89	-
p-Terphenyl-d14 (surr.)	1	%	-	115	109	-
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	-
Dibutylchlorendate (surr.)	1	%	-	-	136	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	110	-
Heavy Metals						
Arsenic	2	mg/kg	12	13	16	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	26	16	13
Copper	5	mg/kg	23	28	13	13
Lead	5	mg/kg	21	31	18	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.7	9.6	8.4	6.7
Zinc	5	mg/kg	40	46	25	31

Client Sample ID			TP062_0.4-0.5	TP077_0.0-0.1	TP038_0.0-0.1	TP025_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031589	S22-Se0031590	S22-Se0031591	S22-Se0031592
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
% Moisture	1	%	11	15	12	15
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	%	-	82	-	-
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	%	-	123	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	113	-	-
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	-	-

Client Sample ID			TP062_0.4-0.5	TP077_0.0-0.1	TP038_0.0-0.1	TP025_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031589	S22-Se0031590	S22-Se0031591	S22-Se0031592
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	-	-
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	%	-	121	-	-

Client Sample ID			TP012_0.0-0.1	TP012_0.4-0.5	TP048_0.0-0.1	TP034_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031593	S22-Se0031594	S22-Se0031595	S22-Se0031596
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	< 50	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100

Client Sample ID			TP012_0.0-0.1	TP012_0.4-0.5	TP048_0.0-0.1	TP034_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031593	S22-Se0031594	S22-Se0031595	S22-Se0031596
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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
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	%	-	-	-	89
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	%	85	-	-	120
p-Terphenyl-d14 (surr.)	1	%	104	-	-	129
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
Dibutylchlorendate (surr.)	1	%	-	-	-	141
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	133
Heavy Metals						
Arsenic	2	mg/kg	16	26	13	19
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	15	19	26
Copper	5	mg/kg	14	35	16	22

Client Sample ID			TP012_0.0-0.1	TP012_0.4-0.5	TP048_0.0-0.1	TP034_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031593	S22-Se0031594	S22-Se0031595	S22-Se0031596
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	20	17	23	30
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.2	7.2	6.8	11
Zinc	5	mg/kg	39	57	33	49
% Moisture	1	%	13	23	15	16
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	%	-	-	75	-
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	%	-	-	133	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	107	-

Client Sample ID			TP012_0.0-0.1	TP012_0.4-0.5	TP048_0.0-0.1	TP034_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031593	S22-Se0031594	S22-Se0031595	S22-Se0031596
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	-
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	%	-	-	118	-

Client Sample ID			TP021_0.0-0.1	TP008_0.0-0.1	TP063_0.0-0.1	TP078_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031597	S22-Se0031598	S22-Se0031599	S22-Se0031600
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP021_0.0-0.1	TP008_0.0-0.1	TP063_0.0-0.1	TP078_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031597	S22-Se0031598	S22-Se0031599	S22-Se0031600
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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
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
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	%	-	-	-	102
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	%	-	-	-	91
p-Terphenyl-d14 (surr.)	1	%	-	-	-	86
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
Dibutylchlorendate (surr.)	1	%	-	-	137	105
Tetrachloro-m-xylene (surr.)	1	%	-	-	111	123

Client Sample ID			TP021_0.0-0.1	TP008_0.0-0.1	TP063_0.0-0.1	TP078_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031597	S22-Se0031598	S22-Se0031599	S22-Se0031600
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	14	12	11	8.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	16	18	20
Copper	5	mg/kg	13	20	14	14
Lead	5	mg/kg	26	24	24	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.9	18	< 5	5.7
Zinc	5	mg/kg	29	72	24	24
% Moisture	1	%	17	15	21	14
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	%	-	-	72	73
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

Client Sample ID			TP021_0.0-0.1	TP008_0.0-0.1	TP063_0.0-0.1	TP078_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031597	S22-Se0031598	S22-Se0031599	S22-Se0031600
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	137	105
Tetrachloro-m-xylene (surr.)	1	%	-	-	111	123
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
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	%	-	-	122	79

Client Sample ID			TP078_0.4-0.5	TP093_0.0-0.1	TP094_0.0-0.1	TP079_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031601	S22-Se0031602	S22-Se0031603	S22-Se0031604
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
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	-
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	%	-	-	90	-
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	%	-	-	123	-
p-Terphenyl-d14 (surr.)	1	%	-	-	106	-
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	-

Client Sample ID			TP078_0.4-0.5	TP093_0.0-0.1	TP094_0.0-0.1	TP079_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031601	S22-Se0031602	S22-Se0031603	S22-Se0031604
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-
Dibutylchlorendate (surr.)	1	%	-	-	106	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	137	-
Heavy Metals						
Arsenic	2	mg/kg	7.3	8.1	18	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	20	35	27
Copper	5	mg/kg	18	14	25	18
Lead	5	mg/kg	16	69	32	37
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	7.7	9.2	7.4
Zinc	5	mg/kg	31	42	73	46
% Moisture	1	%	16	17	22	23
Cyanide (total)	1	mg/kg	-	-	< 1	-
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	-	84	80	69
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05

Client Sample ID			TP078_0.4-0.5	TP093_0.0-0.1	TP094_0.0-0.1	TP079_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031601	S22-Se0031602	S22-Se0031603	S22-Se0031604
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	127	106	90
Tetrachloro-m-xylene (surr.)	1	%	-	110	137	103
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	< 2	< 2	< 2
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	-	< 2	< 2	< 2
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	81	80	81

Client Sample ID			TP078_0.4-0.5	TP093_0.0-0.1	TP094_0.0-0.1	TP079_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031601	S22-Se0031602	S22-Se0031603	S22-Se0031604
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	102	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			TP064_0.0-0.1	TP064_0.4-0.5	TP035_0.0-0.1	TP049_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031605	S22-Se0031606	S22-Se0031607	S22-Se0031608
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	53	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	53	-	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2

Client Sample ID			TP064_0.0-0.1	TP064_0.4-0.5	TP035_0.0-0.1	TP049_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031605	S22-Se0031606	S22-Se0031607	S22-Se0031608
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	103
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	%	102	-	-	96
p-Terphenyl-d14 (surr.)	1	%	114	-	-	103
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
Dibutylchlorendate (surr.)	1	%	144	-	-	136
Tetrachloro-m-xylene (surr.)	1	%	115	-	-	105
Heavy Metals						
Arsenic	2	mg/kg	11	10	17	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	16	22	20
Copper	5	mg/kg	15	14	17	19
Lead	5	mg/kg	37	16	30	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.0	5.9	9.3	5.7
Zinc	5	mg/kg	37	21	39	28
% Moisture	1	%	27	16	23	16

Client Sample ID			TP064_0.0-0.1	TP064_0.4-0.5	TP035_0.0-0.1	TP049_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031605	S22-Se0031606	S22-Se0031607	S22-Se0031608
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	%	70	-	-	73
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	144	-	-	136
Tetrachloro-m-xylene (surr.)	1	%	115	-	-	105
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

Client Sample ID			TP064_0.0-0.1	TP064_0.4-0.5	TP035_0.0-0.1	TP049_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031605	S22-Se0031606	S22-Se0031607	S22-Se0031608
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Demeton-O	0.2	mg/kg	< 0.2	-	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	-	< 0.2
EPN	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Monocrotophos	2	mg/kg	< 2	-	-	< 2
Naled	0.2	mg/kg	< 0.2	-	-	< 0.2
Omethoate	2	mg/kg	< 2	-	-	< 2
Phorate	0.2	mg/kg	< 0.2	-	-	< 0.2
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	%	123	-	-	112

Client Sample ID			TP049_1.5-1.6	TP049_2.4-2.5	TP022_0.0-0.1	TP009_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031609	S22-Se0031610	S22-Se0031611	S22-Se0031612
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
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
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			TP049_1.5-1.6	TP049_2.4-2.5	TP022_0.0-0.1	TP009_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031609	S22-Se0031610	S22-Se0031611	S22-Se0031612
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	%	-	-	-	97
p-Terphenyl-d14 (surr.)	1	%	-	-	-	117
Heavy Metals						
Arsenic	2	mg/kg	2.8	-	19	14
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	5.3	-	24	18
Copper	5	mg/kg	26	-	16	12
Lead	5	mg/kg	12	-	29	23
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	5.8	-	8.2	7.2
Zinc	5	mg/kg	56	-	35	29
% Moisture	1	%	9.4	8.6	19	15
Chloride	10	mg/kg	94	47	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	64	56	14	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	3.9	3.9	4.4	-
Salinity (determined from EC)*	20	mg/kg	35	30	-	-
Sulphate (as SO4)	10	mg/kg	48	42	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	22	19	-	-
% Clay	1	%	-	-	8.5	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	5.3	6.2	4.9	-

Client Sample ID			TP002_0.0-0.1	TP005_0.0-0.1	TP005_0.4-0.5	TP051_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031613	S22-Se0031614	S22-Se0031615	S22-Se0031616
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	-	< 50
TRH >C16-C34	100	mg/kg	-	< 100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	-
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	%	-	58	-	-
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	%	-	112	-	104
p-Terphenyl-d14 (surr.)	1	%	-	107	-	108
Heavy Metals						
Arsenic	2	mg/kg	17	16	17	21
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	15	14	27
Copper	5	mg/kg	14	9.0	18	25

Client Sample ID			TP002_0.0-0.1	TP005_0.0-0.1	TP005_0.4-0.5	TP051_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031613	S22-Se0031614	S22-Se0031615	S22-Se0031616
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	23	16	14	30
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.8	< 5	< 5	8.5
Zinc	5	mg/kg	20	10	13	69
% Moisture	1	%	15	8.8	19	11
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	%	-	-	-	85
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	%	-	-	-	141
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	112

Client Sample ID			TP002_0.0-0.1	TP005_0.0-0.1	TP005_0.4-0.5	TP051_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031613	S22-Se0031614	S22-Se0031615	S22-Se0031616
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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
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	%	-	-	-	118
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			TP002_0.0-0.1	TP005_0.0-0.1	TP005_0.4-0.5	TP051_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031613	S22-Se0031614	S22-Se0031615	S22-Se0031616
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	-	58	-	-
Toluene-d8 (surr.)	1	%	-	59	-	-

Client Sample ID			TP037_0.0-0.1	TP024_0.0-0.1	TP011_0.0-0.1	TP011_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031617	S22-Se0031618	S22-Se0031619	S22-Se0031620
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
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	%	-	96	-	-
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	%	-	108	-	-
p-Terphenyl-d14 (surr.)	1	%	-	116	-	-
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	-	-

Client Sample ID			TP037_0.0-0.1	TP024_0.0-0.1	TP011_0.0-0.1	TP011_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031617	S22-Se0031618	S22-Se0031619	S22-Se0031620
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-	-
Dibutylchlorendate (surr.)	1	%	-	148	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	118	-	-
Heavy Metals						
Arsenic	2	mg/kg	23	19	29	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	21	13	22	-
Copper	5	mg/kg	17	12	17	-
Lead	5	mg/kg	27	21	25	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	5.7	5.4	7.0	-
Zinc	5	mg/kg	26	24	31	-
% Moisture	1	%	21	13	18	21
Chloride	10	mg/kg	-	-	-	< 10
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	23
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	3.9
Salinity (determined from EC)*	20	mg/kg	-	-	-	13
Sulphate (as SO4)	10	mg/kg	-	-	-	41
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	-	8.2
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	5.2

Client Sample ID			TP011_1.9-2.0	TP004_0.0-0.1	QC09	TP003_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031621	S22-Se0031622	S22-Se0031623	S22-Se0031624
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	22	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-

Client Sample ID			TP011_1.9-2.0	TP004_0.0-0.1	QC09	TP003_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031621	S22-Se0031622	S22-Se0031623	S22-Se0031624
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	%	-	98	99	-
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	%	-	105	110	-
p-Terphenyl-d14 (surr.)	1	%	-	97	110	-
Heavy Metals						
Arsenic	2	mg/kg	-	18	14	8.8
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	20	19	11
Copper	5	mg/kg	-	16	12	17
Lead	5	mg/kg	-	26	21	24
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	7.5	7.2	6.6
Zinc	5	mg/kg	-	34	22	45
% Moisture	1	%	12	13	13	34
Chloride	10	mg/kg	78	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	86	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	3.5	-	-	-
Salinity (determined from EC)*	20	mg/kg	47	-	-	-
Sulphate (as SO4)	10	mg/kg	64	-	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	17	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	6.7	-	-	-

Client Sample ID			TP010_0.0-0.1	TP023_0.0-0.1	TP036_0.0-0.1	TP050_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031625	S22-Se0031626	S22-Se0031627	S22-Se0031628
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
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	%	102	-	-	-
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	%	109	-	109	-
p-Terphenyl-d14 (surr.)	1	%	134	-	118	-
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	-	-	-

Client Sample ID			TP010_0.0-0.1	TP023_0.0-0.1	TP036_0.0-0.1	TP050_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031625	S22-Se0031626	S22-Se0031627	S22-Se0031628
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-	-	-
Dibutylchlorendate (surr.)	1	%	80	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	113	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	11	12	13	18
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	14	16	24
Copper	5	mg/kg	13	18	13	30
Lead	5	mg/kg	19	20	26	25
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.9	7.1	5.6	6.8
Zinc	5	mg/kg	24	34	28	42
% Moisture	1	%	11	19	18	18
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	%	-	-	-	73
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

Client Sample ID			TP010_0.0-0.1	TP023_0.0-0.1	TP036_0.0-0.1	TP050_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031625	S22-Se0031626	S22-Se0031627	S22-Se0031628
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	-	-	128
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	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
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

Client Sample ID			TP065_0.0-0.1	TP080_0.0-0.1	TP095_0.0-0.1	TP107_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031629	S22-Se0031630	S22-Se0031631	S22-Se0031632
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	104	96	98	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	104	110	120	-
p-Terphenyl-d14 (surr.)	1	%	106	115	106	-
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	-

Client Sample ID			TP065_0.0-0.1	TP080_0.0-0.1	TP095_0.0-0.1	TP107_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031629	S22-Se0031630	S22-Se0031631	S22-Se0031632
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-
Dibutylchlorendate (surr.)	1	%	-	-	89	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	112	-
Heavy Metals						
Arsenic	2	mg/kg	13	14	11	8.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	24	24	16
Copper	5	mg/kg	16	14	16	10
Lead	5	mg/kg	35	23	64	62
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.0	6.0	7.4	< 5
Zinc	5	mg/kg	30	23	37	21
% Moisture	1	%	15	18	21	16
Cyanide (total)	1	mg/kg	-	-	< 1	-
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	76	77	83	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-

Client Sample ID			TP065_0.0-0.1	TP080_0.0-0.1	TP095_0.0-0.1	TP107_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031629	S22-Se0031630	S22-Se0031631	S22-Se0031632
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	[Q09]INT	75	89	-
Tetrachloro-m-xylene (surr.)	1	%	108	113	112	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	< 2	< 2	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	< 2	< 2	< 2	-
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Omethoate	2	mg/kg	< 2	< 2	< 2	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	122	60	69	-

Client Sample ID			TP065_0.0-0.1	TP080_0.0-0.1	TP095_0.0-0.1	TP107_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031629	S22-Se0031630	S22-Se0031631	S22-Se0031632
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	88	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			TP119_0.0-0.1	TP118_0.0-0.1	TP117_0.0-0.1	TP116_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031633	S22-Se0031634	S22-Se0031635	S22-Se0031636
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	24	-	< 20	< 20
TRH C15-C28	50	mg/kg	87	-	< 50	< 50
TRH C29-C36	50	mg/kg	83	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	194	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	150	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	150	-	< 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

Client Sample ID			TP119_0.0-0.1	TP118_0.0-0.1	TP117_0.0-0.1	TP116_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031633	S22-Se0031634	S22-Se0031635	S22-Se0031636
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	103	98
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	%	-	-	110	112
p-Terphenyl-d14 (surr.)	1	%	-	-	107	102
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
Dibutylchlorendate (surr.)	1	%	-	-	74	79
Tetrachloro-m-xylene (surr.)	1	%	-	-	107	115
Heavy Metals						
Arsenic	2	mg/kg	16	8.5	< 2	6.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	2.3
Chromium	5	mg/kg	34	21	< 5	16
Copper	5	mg/kg	17	14	8.5	57
Lead	5	mg/kg	58	20	16	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	7.2	< 5	< 5
Zinc	5	mg/kg	46	49	25	19
% Moisture	1	%	20	11	13	14
Cyanide (total)	1	mg/kg	-	-	-	< 1

Client Sample ID			TP119_0.0-0.1	TP118_0.0-0.1	TP117_0.0-0.1	TP116_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031633	S22-Se0031634	S22-Se0031635	S22-Se0031636
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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
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	%	-	-	-	79
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	115
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			TP119_0.0-0.1	TP118_0.0-0.1	TP117_0.0-0.1	TP116_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031633	S22-Se0031634	S22-Se0031635	S22-Se0031636
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	%	-	-	-	85
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.4.6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20

Client Sample ID			TP119_0.0-0.1	TP118_0.0-0.1	TP117_0.0-0.1	TP116_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031633	S22-Se0031634	S22-Se0031635	S22-Se0031636
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	101
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20

Client Sample ID			TP104_0.0-0.1	TP105_0.0-0.1	TP105_0.3-0.4	TP105_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031637	S22-Se0031638	S22-Se0031639	S22-Se0031640
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	112	149	-	-
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	-	-

Client Sample ID			TP104_0.0-0.1	TP105_0.0-0.1	TP105_0.3-0.4	TP105_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031637	S22-Se0031638	S22-Se0031639	S22-Se0031640
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	113	99	-	-
p-Terphenyl-d14 (surr.)	1	%	106	111	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	66	71	-	-
Tetrachloro-m-xylene (surr.)	1	%	116	106	-	-
Heavy Metals						
Arsenic	2	mg/kg	8.8	9.6	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	22	21	-	-
Copper	5	mg/kg	15	16	-	-
Lead	5	mg/kg	150	21	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	7.6	6.2	-	-
Zinc	5	mg/kg	27	27	-	-
% Moisture	1	%	15	16	17	9.8
Cyanide (total)	1	mg/kg	< 1	< 1	-	-
Chloride	10	mg/kg	-	-	< 10	41
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	42	60
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	3.8	3.7
Salinity (determined from EC)*	20	mg/kg	-	-	23	33
Sulphate (as SO4)	10	mg/kg	-	-	99	59
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	2.7	25
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	%	79	76	-	-

Client Sample ID			TP104_0.0-0.1	TP105_0.0-0.1	TP105_0.3-0.4	TP105_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031637	S22-Se0031638	S22-Se0031639	S22-Se0031640
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	66	71	-	-
Tetrachloro-m-xylene (surr.)	1	%	116	106	-	-
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			TP104_0.0-0.1	TP105_0.0-0.1	TP105_0.3-0.4	TP105_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031637	S22-Se0031638	S22-Se0031639	S22-Se0031640
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Monocrotophos	2	mg/kg	< 2	< 2	-	-
Naled	0.2	mg/kg	< 0.2	< 0.2	-	-
Omethoate	2	mg/kg	< 2	< 2	-	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	-	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	-	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	-	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	62	56	-	-
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	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	%	90	95	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	6.9	4.9

Client Sample ID			TP106_0.0-0.1	TP129_0.0-0.1	TP139_0.0-0.1	TP149_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031641	S22-Se0031642	S22-Se0031643	S22-Se0031644
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
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	%	106	-	-	86
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	107	-	82	62
p-Terphenyl-d14 (surr.)	1	%	113	-	97	61
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	-	-	-

Client Sample ID			TP106_0.0-0.1	TP129_0.0-0.1	TP139_0.0-0.1	TP149_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031641	S22-Se0031642	S22-Se0031643	S22-Se0031644
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-	-	-
Dibutylchlorendate (surr.)	1	%	55	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	124	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	11	9.3	9.0	17
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	21	17	35
Copper	5	mg/kg	18	9.7	10	12
Lead	5	mg/kg	120	20	47	42
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.9	9.4	6.7	11
Zinc	5	mg/kg	29	15	39	26
% Moisture	1	%	18	21	30	18
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	%	76	-	-	72
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

Client Sample ID			TP106_0.0-0.1	TP129_0.0-0.1	TP139_0.0-0.1	TP149_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031641	S22-Se0031642	S22-Se0031643	S22-Se0031644
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	55	-	-	58
Tetrachloro-m-xylene (surr.)	1	%	124	-	-	60
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Coumaphos	2	mg/kg	< 2	-	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	-	< 0.2
EPN	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Monocrotophos	2	mg/kg	< 2	-	-	< 2
Naled	0.2	mg/kg	< 0.2	-	-	< 0.2
Omethoate	2	mg/kg	< 2	-	-	< 2
Phorate	0.2	mg/kg	< 0.2	-	-	< 0.2
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	%	70	-	-	[Q09]INT

Client Sample ID			TP159_0.0-0.1	TP169_0.0-0.1	TP176_0.0-0.1	TP185_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031645	S22-Se0031647	S22-Se0031648	S22-Se0031649
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
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	%	-	-	97	-
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	%	57	-	80	-
p-Terphenyl-d14 (surr.)	1	%	59	-	86	-
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	-

Client Sample ID			TP159_0.0-0.1	TP169_0.0-0.1	TP176_0.0-0.1	TP185_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031645	S22-Se0031647	S22-Se0031648	S22-Se0031649
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
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	-
Dibutylchlorendate (surr.)	1	%	-	89	105	-
Tetrachloro-m-xylene (surr.)	1	%	-	93	85	-
Heavy Metals						
Arsenic	2	mg/kg	12	15	20	7.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	33	41	12
Copper	5	mg/kg	11	20	17	20
Lead	5	mg/kg	40	53	38	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.2	10.0	8.1	< 5
Zinc	5	mg/kg	39	62	35	34
% Moisture	1	%	24	20	10	18
Chloride	10	mg/kg	-	-	-	< 10
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	33
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	4.8
Salinity (determined from EC)*	20	mg/kg	-	-	-	18
Sulphate (as SO4)	10	mg/kg	-	-	-	61
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	-	3.2
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	76	74	78	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-

Client Sample ID			TP159_0.0-0.1	TP169_0.0-0.1	TP176_0.0-0.1	TP185_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031645	S22-Se0031647	S22-Se0031648	S22-Se0031649
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	58	89	105	-
Tetrachloro-m-xylene (surr.)	1	%	64	93	85	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	< 2	< 2	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	< 2	< 2	< 2	-
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Omethoate	2	mg/kg	< 2	< 2	< 2	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-

Client Sample ID			TP159_0.0-0.1	TP169_0.0-0.1	TP176_0.0-0.1	TP185_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031645	S22-Se0031647	S22-Se0031648	S22-Se0031649
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	[Q09]INT	68	93	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	15

Client Sample ID			TP185_0.9-1.0	TP200_0.0-0.1	TP200_1.4-1.5	TP200_2.9-3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031650	S22-Se0031651	S22-Se0031652	S22-Se0031653
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
TRH >C16-C34	100	mg/kg	-	< 100	-	-
TRH >C34-C40	100	mg/kg	-	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	-
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	%	-	125	-	-
p-Terphenyl-d14 (surr.)	1	%	-	111	-	-

Client Sample ID			TP185_0.9-1.0	TP200_0.0-0.1	TP200_1.4-1.5	TP200_2.9-3.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031650	S22-Se0031651	S22-Se0031652	S22-Se0031653
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	23	-	-
Cadmium	0.4	mg/kg	-	< 0.4	-	-
Chromium	5	mg/kg	-	33	-	-
Copper	5	mg/kg	-	17	-	-
Lead	5	mg/kg	-	40	-	-
Mercury	0.1	mg/kg	-	< 0.1	-	-
Nickel	5	mg/kg	-	5.3	-	-
Zinc	5	mg/kg	-	9.6	-	-
% Moisture	1	%	21	16	17	18
Chloride	10	mg/kg	< 10	-	400	300
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	27	-	120	130
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	3.9	-	3.5	4.1
Salinity (determined from EC)*	20	mg/kg	15	-	66	72
Sulphate (as SO4)	10	mg/kg	55	-	14	220
Exchangeable Sodium Percentage (ESP)	0.1	%	2.8	-	29	32
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	8.8	-	7.4	8.4

Client Sample ID			TP214_0.0-0.1	20220913_QC01LW	TP212_0.0-0.1	TP13_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031654	S22-Se0031655	S22-Se0031656	S22-Se0031657
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
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	%	84	94	-	-

Client Sample ID			TP214_0.0-0.1	20220913_QC01LW	TP212_0.0-0.1	TP13_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031654	S22-Se0031655	S22-Se0031656	S22-Se0031657
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	0.6	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 1	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 1	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	114	116	117	-
p-Terphenyl-d14 (surr.)	1	%	115	110	110	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	116	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	109	-	-
Heavy Metals						
Arsenic	2	mg/kg	6.9	6.5	15	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	14	27	24
Copper	5	mg/kg	11	11	16	16
Lead	5	mg/kg	19	19	30	23
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.4	6.0	10	9.3
Zinc	5	mg/kg	16	16	32	31
% Moisture	1	%	13	14	19	16

Client Sample ID			TP214_0.0-0.1	20220913_QC01LW	TP212_0.0-0.1	TP13_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031654	S22-Se0031655	S22-Se0031656	S22-Se0031657
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
Test/Reference	LOR	Unit				
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	%	-	75	-	-
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	%	-	116	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	109	-	-
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			TP214_0.0-0.1	20220913_QC01LW	TP212_0.0-0.1	TP13_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0031654	S22-Se0031655	S22-Se0031656	S22-Se0031657
Date Sampled			Sep 13, 2022	Sep 13, 2022	Sep 13, 2022	Sep 13, 2022
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	%	-	109	-	-

Client Sample ID			20220913_QC07
Sample Matrix			Soil
Eurofins Sample No.			S22-Se0031658
Date Sampled			Sep 13, 2022
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
Naphthalene[N02]	0.5	mg/kg	< 0.5
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
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			20220913_QC07
Sample Matrix			**Soil**
Eurofins Sample No.			**S22-Se0031658**
Date Sampled			**Sep 13, 2022**
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	%	98
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	%	115
p-Terphenyl-d14 (surr.)	1	%	111
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
Dibutylchlorendate (surr.)	1	%	122
Tetrachloro-m-xylene (surr.)	1	%	111
Heavy Metals			
Arsenic	2	mg/kg	16
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	16
Copper	5	mg/kg	36
Lead	5	mg/kg	18
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	5.6
Zinc	5	mg/kg	42

Client Sample ID			20220913_QC07
Sample Matrix			**Soil**
Eurofins Sample No.			**S22-Se0031658**
Date Sampled			**Sep 13, 2022**
Test/Reference	LOR	Unit	
% Moisture	1	%	18
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	%	69
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	%	122
Tetrachloro-m-xylene (surr.)	1	%	111
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

Client Sample ID			20220913_QC07
Sample Matrix			**Soil**
Eurofins Sample No.			**S22-Se0031658**
Date Sampled			**Sep 13, 2022**
Test/Reference	LOR	Unit	
Organophosphorus Pesticides			
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
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	%	112

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Sep 16, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Polychlorinated Biphenyls	Sydney	Sep 16, 2022	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organochlorine Pesticides	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
% Moisture	Sydney	Sep 14, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Cyanide (total)	Sydney	Sep 16, 2022	14 Days
- Method: E054 Total Cyanide			
Chloride	Sydney	Sep 16, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Sep 16, 2022	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Salinity (determined from EC)*	Sydney	Sep 16, 2022	28 Days
- Method: LTM-INO-4030			
Sulphate (as SO4)	Sydney	Sep 16, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
% Clay	Brisbane	Sep 19, 2022	14 Days
- Method: LTM-GEN-7040			
Acid Herbicides	Melbourne	Sep 20, 2022	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
Volatile Organics	Sydney	Sep 16, 2022	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Sep 16, 2022	7 Days
- Method: LTM-INO-4030 Conductivity			
Exchangeable Sodium Percentage (ESP)	Melbourne	Sep 20, 2022	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
Phenols (Halogenated)	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Sep 16, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Cation Exchange Capacity	Melbourne	Sep 20, 2022	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
External Laboratory																													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																								
1	TP001_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031581		X									X								X			X		
2	TP001_0.45-0.55	Sep 13, 2022		Soil	S22-Se0031582													X						X					
3	TP007_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031583		X											X						X					
4	TP007_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031584													X						X					
5	TP020_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031585		X								X			X						X		X			
6	TP033_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031586		X											X						X					
7	TP047_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031587		X										X							X			X		
8	TP062_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031588		X										X	X			X			X					
9	TP062_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031589													X						X					
10	TP077_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031590		X								X		X	X			X			X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
11	TP038_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031591		X									X								X			X		
12	TP025_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031592		X											X						X					
13	TP012_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031593		X								X			X						X		X			
14	TP012_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031594													X						X					
15	TP048_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031595		X										X	X			X			X					
16	TP034_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031596		X									X								X			X		
17	TP021_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031597		X											X						X					
18	TP008_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031598		X											X						X		X			
19	TP063_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031599		X										X	X				X		X					
20	TP078_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031600		X										X					X		X			X		
21	TP078_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031601													X						X					
22	TP093_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031602		X										X	X			X			X					
23	TP094_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031603		X			X							X		X			X		X			X		
24	TP079_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031604		X										X	X			X			X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
25	TP064_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031605		X								X		X	X				X		X		X			
26	TP064_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031606													X						X					
27	TP035_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031607		X											X						X					
28	TP049_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031608		X										X					X		X			X		
29	TP049_1.5-1.6	Sep 13, 2022		Soil	S22-Se0031609				X			X	X	X				X						X	X				X
30	TP049_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031610				X			X	X	X										X	X				X
31	TP022_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031611	X	X					X						X						X	X				
32	TP009_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031612		X								X			X						X		X			
33	TP002_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031613		X											X						X					
34	TP005_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031614		X																X	X			X		
35	TP005_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031615													X						X					
36	TP051_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031616		X								X		X	X			X			X		X			
37	TP037_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031617		X											X						X					
38	TP024_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031618		X									X								X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
39	TP011_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031619		X											X						X					
40	TP011_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031620				X			X	X	X										X	X				X
41	TP011_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031621				X			X	X	X										X	X				X
42	TP004_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031622		X																	X			X		
43	QC09	Sep 13, 2022		Soil	S22-Se0031623		X																	X			X		
44	TP003_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031624		X											X						X					
45	TP010_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031625		X									X								X			X		
46	TP023_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031626		X											X						X					
47	TP036_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031627		X								X			X						X		X			
48	TP050_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031628		X										X	X			X			X					
49	TP065_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031629		X										X				X			X			X		
50	TP080_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031630		X										X				X			X			X		
51	TP095_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031631		X			X							X		X			X		X			X		
52	TP107_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031632		X											X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
53	TP119_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031633		X											X						X		X			
54	TP118_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031634		X											X						X					
55	TP117_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031635		X									X								X			X		
56	TP116_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031636		X			X							X		X			X		X			X		
57	TP104_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031637		X			X							X		X			X		X			X		
58	TP105_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031638		X			X							X		X			X		X			X		
59	TP105_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031639				X			X	X	X										X	X				X
60	TP105_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031640				X			X	X	X										X	X				X
61	TP106_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031641		X										X					X		X			X		
62	TP129_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031642		X											X						X					
63	TP139_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031643		X								X			X						X		X			
64	TP149_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031644		X										X				X			X			X		
65	TP159_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031645		X								X		X	X			X			X		X			
66	FRAG - TP116	Sep 13, 2022		Building	S22-Se0031646			X																					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254							X										X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
				Materials																									
67	TP169_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031647		X										X	X				X		X					
68	TP176_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031648		X										X					X		X			X		
69	TP185_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031649		X		X			X	X	X				X						X	X				X
70	TP185_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031650				X			X	X	X										X	X				X
71	TP200_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031651		X								X			X						X		X			
72	TP200_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031652				X			X	X	X										X	X				X
73	TP200_2.9-3.0	Sep 13, 2022		Soil	S22-Se0031653				X			X	X	X										X	X				X
74	TP214_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031654		X																	X			X		
75	20220913_QC 01LW	Sep 13, 2022		Soil	S22-Se0031655		X										X					X		X			X		
76	TP212_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031656		X								X			X						X		X			
77	TP13_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031657		X											X						X					
78	20220913_QC	Sep 13, 2022		Soil	S22-Se0031658		X										X					X		X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
	07																												
79	TS	Sep 13, 2022		Water	S22-Se0031659																							X	
80	TB	Sep 13, 2022		Water	S22-Se0031660															X									
81	TP0080.4-0.5	Sep 13, 2022		Soil	S22-Se0031661						X																		
82	TP001_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031662						X																		
83	TP007_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031663						X																		
84	TP020_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031664						X																		
85	TP020_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031665						X																		
86	TP033_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031666						X																		
87	TP033_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031667						X																		
88	TP047_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031668						X																		
89	TP062_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031669						X																		
90	TP038_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031670						X																		
91	TP038_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031671						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
92	TP025_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031672						X																		
93	TP025_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031673						X																		
94	TP012_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031674						X																		
95	TP048_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031675						X																		
96	TP034_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031676						X																		
97	TP034_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031677						X																		
98	TP021_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031678						X																		
99	TP021_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031679						X																		
100	TP008_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031680						X																		
101	TP063_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031681						X																		
102	TP063_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031682						X																		
103	TP078_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031683						X																		
104	TP093_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031684						X																		
105	TP093_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031685						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
106	TP094_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031686						X																		
107	TP079_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031687						X																		
108	TP035_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031688						X																		
109	TP035_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031689						X																		
110	TP049_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031690						X																		
111	TP049_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031691						X																		
112	TP049_1.0-1.1	Sep 13, 2022		Soil	S22-Se0031692						X																		
113	TP049_2.0-2.1	Sep 13, 2022		Soil	S22-Se0031693						X																		
114	TP022_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031694						X																		
115	TP022_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031695						X																		
116	TP009_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031696						X																		
117	TP009_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031697						X																		
118	TP002_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031698						X																		
119	TP002_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031699						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
120	TP005_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031700						X																		
121	TP051_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031701						X																		
122	TP037_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031702						X																		
123	TP024_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031703						X																		
124	TP011_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031704						X																		
125	TP011_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031705						X																		
126	TP004_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031706						X																		
127	TP003_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031707						X																		
128	TP010_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031708						X																		
129	TP023_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031709						X																		
130	TP036_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031710						X																		
131	TP050_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031711						X																		
132	TP065_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031712						X																		
133	TP080_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031713						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
134	TP095_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031714						X																		
135	TP107_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031715						X																		
136	TP119_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031716						X																		
137	TP118_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031717						X																		
138	TP117_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031718						X																		
139	TP116_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031719						X																		
140	TP104_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031720						X																		
141	TP105_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031721						X																		
142	TP105_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031722						X																		
143	TP106_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031723						X																		
144	TP129_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031724						X																		
145	TP139_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031725						X																		
146	TP139_0.6-0.7	Sep 13, 2022		Soil	S22-Se0031726						X																		
147	TP149_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031727						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
148	TP159_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031728						X																		
149	TP169_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031729						X																		
150	TP176_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031730						X																		
151	TP185_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031731						X																		
152	TP185_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031732						X																		
153	TP200_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031733						X																		
154	TP200_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031734						X																		
155	TP200_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031735						X																		
156	TP200_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031736						X																		
157	TP214_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031737						X																		
158	TP077_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031738						X																		
159	TP212_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031739						X																		
160	TP13_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031740						X																		
161	20220913_QC	Sep 13, 2022		Soil	S22-Se0031741						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
161	20220913_QC 02ST	Sep 13, 2022		Soil	S22-Se0031741																								
162	TP117_0.2-0.3	Sep 13, 2022		Soil	S22-Se0032831						X																		
Test Counts						1	61	1	10	5	82	11	10	10	11	6	26	44	5	1	11	14	1	77	11	13	25	1	10

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

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

.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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	
Total PAH*	mg/kg	-			0.5	N/A	
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	
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							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
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							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	128			70-130	Pass	
TRH C10-C14	%	119			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Naphthalene	%	97			70-130	Pass	
TRH >C10-C16	%	114			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	102			70-130	Pass	
Toluene	%	98			70-130	Pass	
Ethylbenzene	%	102			70-130	Pass	
m&p-Xylenes	%	114			70-130	Pass	
o-Xylene	%	113			70-130	Pass	
Xylenes - Total*	%	114			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	98			70-130	Pass	
Acenaphthylene	%	84			70-130	Pass	
Anthracene	%	104			70-130	Pass	
Benz(a)anthracene	%	85			70-130	Pass	
Benzo(a)pyrene	%	98			70-130	Pass	
Benzo(b&j)fluoranthene	%	87			70-130	Pass	
Benzo(g.h.i)perylene	%	73			70-130	Pass	
Benzo(k)fluoranthene	%	93			70-130	Pass	
Chrysene	%	98			70-130	Pass	
Dibenz(a.h)anthracene	%	80			70-130	Pass	
Fluoranthene	%	106			70-130	Pass	
Fluorene	%	95			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	85			70-130	Pass	
Naphthalene	%	89			70-130	Pass	
Phenanthrene	%	86			70-130	Pass	
Pyrene	%	105			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	87			70-130	Pass	
Aroclor-1260	%	92			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	101			80-120	Pass	
Cadmium	%	106			80-120	Pass	
Chromium	%	104			80-120	Pass	
Copper	%	104			80-120	Pass	
Lead	%	99			80-120	Pass	
Mercury	%	107			80-120	Pass	
Nickel	%	102			80-120	Pass	
Zinc	%	106			80-120	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	126			70-130	Pass	
2.4-DB	%	102			70-130	Pass	
2.4.5-T	%	127			70-130	Pass	
2.4.5-TP	%	114			70-130	Pass	
Actril (loxynil)	%	115			70-130	Pass	
Dicamba	%	120			70-130	Pass	
Dichlorprop	%	97			70-130	Pass	
Dinitro-o-cresol	%	112			70-130	Pass	
Dinoseb	%	115			70-130	Pass	
MCPA	%	116			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
MCPB	%	121			70-130	Pass	
Mecoprop	%	114			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
4.4'-DDD	%	81			70-130	Pass	
4.4'-DDE	%	114			70-130	Pass	
4.4'-DDT	%	94			70-130	Pass	
a-HCH	%	89			70-130	Pass	
Aldrin	%	115			70-130	Pass	
b-HCH	%	89			70-130	Pass	
d-HCH	%	106			70-130	Pass	
Dieldrin	%	126			70-130	Pass	
Endosulfan I	%	103			70-130	Pass	
Endosulfan II	%	119			70-130	Pass	
Endosulfan sulphate	%	114			70-130	Pass	
Endrin	%	117			70-130	Pass	
Endrin aldehyde	%	91			70-130	Pass	
Endrin ketone	%	104			70-130	Pass	
g-HCH (Lindane)	%	115			70-130	Pass	
Heptachlor	%	126			70-130	Pass	
Hexachlorobenzene	%	116			70-130	Pass	
Methoxychlor	%	77			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Dimethoate	%	78			70-130	Pass	
Ethion	%	97			70-130	Pass	
Fenitrothion	%	114			70-130	Pass	
Mevinphos	%	96			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	83			25-140	Pass	
2.4-Dichlorophenol	%	90			25-140	Pass	
2.4.5-Trichlorophenol	%	89			25-140	Pass	
2.4.6-Trichlorophenol	%	72			25-140	Pass	
2.6-Dichlorophenol	%	100			25-140	Pass	
4-Chloro-3-methylphenol	%	80			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Nitrophenol	%	89			25-140	Pass	
2.4-Dimethylphenol	%	88			25-140	Pass	
2-Methylphenol (o-Cresol)	%	91			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	86			25-140	Pass	
Dinoseb	%	75			25-140	Pass	
Phenol	%	81			25-140	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0031585	CP	%	108			75-125	Pass	
Cadmium	S22-Se0031585	CP	%	113			75-125	Pass	
Chromium	S22-Se0031585	CP	%	100			75-125	Pass	
Copper	S22-Se0031585	CP	%	101			75-125	Pass	
Lead	S22-Se0031585	CP	%	103			75-125	Pass	
Mercury	S22-Se0031585	CP	%	113			75-125	Pass	
Nickel	S22-Se0031585	CP	%	103			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc	S22-Se0031585	CP	%	105			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0031587	CP	%	81			70-130	Pass	
Naphthalene	S22-Se0031587	CP	%	78			70-130	Pass	
TRH C6-C10	S22-Se0031587	CP	%	86			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0031587	CP	%	79			70-130	Pass	
Toluene	S22-Se0031587	CP	%	85			70-130	Pass	
Ethylbenzene	S22-Se0031587	CP	%	74			70-130	Pass	
m&p-Xylenes	S22-Se0031587	CP	%	85			70-130	Pass	
o-Xylene	S22-Se0031587	CP	%	87			70-130	Pass	
Xylenes - Total*	S22-Se0031587	CP	%	86			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0031603	CP	%	84			70-130	Pass	
4.4'-DDD	S22-Se0031603	CP	%	76			70-130	Pass	
4.4'-DDE	S22-Se0031603	CP	%	89			70-130	Pass	
a-HCH	S22-Se0031603	CP	%	74			70-130	Pass	
Aldrin	S22-Se0031603	CP	%	82			70-130	Pass	
d-HCH	S22-Se0031603	CP	%	75			70-130	Pass	
Dieldrin	S22-Se0031603	CP	%	94			70-130	Pass	
Endosulfan I	S22-Se0031603	CP	%	74			70-130	Pass	
Endosulfan II	S22-Se0031603	CP	%	81			70-130	Pass	
Endosulfan sulphate	S22-Se0031603	CP	%	89			70-130	Pass	
Endrin	S22-Se0031603	CP	%	96			70-130	Pass	
Endrin aldehyde	S22-Se0031603	CP	%	88			70-130	Pass	
Endrin ketone	S22-Se0031603	CP	%	103			70-130	Pass	
g-HCH (Lindane)	S22-Se0031603	CP	%	94			70-130	Pass	
Heptachlor	S22-Se0031603	CP	%	82			70-130	Pass	
Heptachlor epoxide	S22-Se0031603	CP	%	95			70-130	Pass	
Hexachlorobenzene	S22-Se0031603	CP	%	89			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0031603	CP	%	119			70-130	Pass	
Ethion	S22-Se0031603	CP	%	90			70-130	Pass	
Fenitrothion	S22-Se0031603	CP	%	89			70-130	Pass	
Methyl parathion	S22-Se0031603	CP	%	90			70-130	Pass	
Mevinphos	S22-Se0031603	CP	%	85			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0031616	CP	%	115			75-125	Pass	
Cadmium	S22-Se0031616	CP	%	113			75-125	Pass	
Copper	S22-Se0031616	CP	%	125			75-125	Pass	
Lead	S22-Se0031616	CP	%	124			75-125	Pass	
Mercury	S22-Se0031616	CP	%	114			75-125	Pass	
Nickel	S22-Se0031616	CP	%	106			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0031628	CP	%	93			70-130	Pass	
4.4'-DDD	S22-Se0031628	CP	%	94			70-130	Pass	
4.4'-DDE	S22-Se0031628	CP	%	95			70-130	Pass	
a-HCH	S22-Se0031628	CP	%	86			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aldrin	S22-Se0031628	CP	%	88			70-130	Pass	
b-HCH	S22-Se0031628	CP	%	73			70-130	Pass	
d-HCH	S22-Se0031628	CP	%	82			70-130	Pass	
Dieldrin	S22-Se0031628	CP	%	87			70-130	Pass	
Endosulfan I	S22-Se0031628	CP	%	89			70-130	Pass	
Endosulfan II	S22-Se0031628	CP	%	84			70-130	Pass	
Endosulfan sulphate	S22-Se0031628	CP	%	81			70-130	Pass	
Endrin	S22-Se0031628	CP	%	88			70-130	Pass	
Endrin aldehyde	S22-Se0031628	CP	%	98			70-130	Pass	
Endrin ketone	S22-Se0031628	CP	%	103			70-130	Pass	
g-HCH (Lindane)	S22-Se0031628	CP	%	99			70-130	Pass	
Heptachlor	S22-Se0031628	CP	%	81			70-130	Pass	
Heptachlor epoxide	S22-Se0031628	CP	%	87			70-130	Pass	
Hexachlorobenzene	S22-Se0031628	CP	%	88			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0031628	CP	%	127			70-130	Pass	
Dimethoate	S22-Se0031628	CP	%	83			70-130	Pass	
Ethion	S22-Se0031628	CP	%	103			70-130	Pass	
Fenitrothion	S22-Se0031628	CP	%	90			70-130	Pass	
Methyl parathion	S22-Se0031628	CP	%	92			70-130	Pass	
Mevinphos	S22-Se0031628	CP	%	99			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Se0031631	CP	%	123			70-130	Pass	
TRH >C10-C16	S22-Se0031631	CP	%	120			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
2.4-D	S22-Se0031645	CP	%	106			70-130	Pass	
Actril (loxynil)	S22-Se0031645	CP	%	114			70-130	Pass	
Dichlorprop	S22-Se0031645	CP	%	83			70-130	Pass	
MCPA	S22-Se0031645	CP	%	104			70-130	Pass	
MCPB	S22-Se0031645	CP	%	77			70-130	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Se0031652	CP	%	100			70-130	Pass	
Sulphate (as SO4)	S22-Se0031652	CP	%	92			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0031581	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S22-Se0031581	CP	mg/kg	21	< 20	120	30%	Fail	Q15
TRH C15-C28	S22-Se0031581	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0031581	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0031581	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S22-Se0031581	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0031581	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0031581	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0031581	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0031581	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0031581	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0031581	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0031581	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0031581	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0019895	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0031581	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0031581	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0031581	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0031581	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0031581	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0031581	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0031581	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0031581	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0031581	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0031581	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0031581	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0031581	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0031581	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0031581	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0031581	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0031581	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031584	CP	mg/kg	11	13	16	30%	Pass	
Cadmium	S22-Se0031584	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031584	CP	mg/kg	18	20	10.0	30%	Pass	
Copper	S22-Se0031584	CP	mg/kg	19	20	8.9	30%	Pass	
Lead	S22-Se0031584	CP	mg/kg	17	17	4.5	30%	Pass	
Mercury	S22-Se0031584	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031584	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0031584	CP	mg/kg	19	23	20	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0031585	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S22-Se0031585	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0031585	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0031585	CP	mg/kg	52	< 50	16	30%	Pass	
Naphthalene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0031585	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S22-Se0031585	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0031585	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0031585	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0031585	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0031585	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0031585	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0031585	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0031585	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0031585	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0031585	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0031585	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0031585	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0031585	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0031585	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0031585	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0031585	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0031585	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0031585	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0031585	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0031585	CP	mg/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Methylphenol (o-Cresol)	S22-Se0031585	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0031585	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0031585	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0031585	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0031585	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031588	CP	%	16	14	15	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S22-Se0031588	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	R22-Se0016700	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	R22-Se0016700	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	R22-Se0016700	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0038253	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Demeton-O	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0038253	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0038253	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0038253	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031594	CP	mg/kg	26	24	11	30%	Pass	
Cadmium	S22-Se0031594	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031594	CP	mg/kg	15	13	15	30%	Pass	
Copper	S22-Se0031594	CP	mg/kg	35	31	12	30%	Pass	
Lead	S22-Se0031594	CP	mg/kg	17	15	16	30%	Pass	
Mercury	S22-Se0031594	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031594	CP	mg/kg	7.2	6.4	11	30%	Pass	
Zinc	S22-Se0031594	CP	mg/kg	57	51	12	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031598	CP	%	15	16	1.6	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Cyanide (total)	S22-Se0035411	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0019895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0019895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0019895	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0019895	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0019895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0019895	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0019895	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0019895	NCP	mg/kg	< 10	< 10	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0019895	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0019895	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0019895	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0019895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0019895	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0019895	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0019895	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0019895	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0019895	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0019895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031606	CP	mg/kg	10	9.7	6.2	30%	Pass	
Cadmium	S22-Se0031606	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031606	CP	mg/kg	16	16	<1	30%	Pass	
Copper	S22-Se0031606	CP	mg/kg	14	14	4.3	30%	Pass	
Lead	S22-Se0031606	CP	mg/kg	16	16	4.0	30%	Pass	
Mercury	S22-Se0031606	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031606	CP	mg/kg	5.9	5.2	12	30%	Pass	
Zinc	S22-Se0031606	CP	mg/kg	21	20	3.2	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031608	CP	%	16	16	2.4	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	M22-Au0030358	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Exchangeable Sodium Percentage (ESP)	S22-Se0031609	CP	%	22	25	14	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	S22-Se0031609	CP	meq/100g	5.3	4.5	16	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Clay	B22-Se0037323	NCP	%	8.2	8.2	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1.2.2-Tetrachloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S22-Se0040489	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031615	CP	mg/kg	17	35	71	30%	Fail	Q15
Cadmium	S22-Se0031615	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031615	CP	mg/kg	14	21	44	30%	Fail	Q15
Copper	S22-Se0031615	CP	mg/kg	18	25	32	30%	Fail	Q15
Lead	S22-Se0031615	CP	mg/kg	14	19	26	30%	Pass	
Mercury	S22-Se0031615	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031615	CP	mg/kg	< 5	8.0	65	30%	Fail	Q15
Zinc	S22-Se0031615	CP	mg/kg	13	30	83	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031618	CP	%	13	13	5.0	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031627	CP	mg/kg	13	19	34	30%	Fail	Q15
Cadmium	S22-Se0031627	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031627	CP	mg/kg	16	23	35	30%	Fail	Q15
Copper	S22-Se0031627	CP	mg/kg	13	18	28	30%	Pass	
Lead	S22-Se0031627	CP	mg/kg	26	30	13	30%	Pass	
Mercury	S22-Se0031627	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031627	CP	mg/kg	5.6	6.4	14	30%	Pass	
Zinc	S22-Se0031627	CP	mg/kg	28	30	4.6	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031628	CP	%	18	18	1.7	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0031637	CP	mg/kg	8.8	9.8	11	30%	Pass	
Cadmium	S22-Se0031637	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0031637	CP	mg/kg	22	23	6.1	30%	Pass	
Copper	S22-Se0031637	CP	mg/kg	15	15	2.9	30%	Pass	
Mercury	S22-Se0031637	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0031637	CP	mg/kg	7.6	9.5	22	30%	Pass	
Zinc	S22-Se0031637	CP	mg/kg	27	32	19	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031638	CP	%	16	16	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S22-Se0031639	CP	uS/cm	42	43	3.3	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0031639	CP	pH Units	3.8	3.8	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0031645	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0031645	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0031645	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0031645	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0031645	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0031645	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0031649	CP	%	18	15	18	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S22-Se0031653	CP	uS/cm	130	140	3.3	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0031653	CP	pH Units	4.1	4.0	<1	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Andrew Black	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Joseph Edouard	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Certificate of Analysis

Environment Testing

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Sahani Gunatunge
Report	923582-AID
Project Name	GUNTAWONG RD DSI
Project ID	62343
Received Date	Sep 14, 2022
Date Reported	Sep 25, 2022

Methodology:

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

Project Name GUNTAWONG RD DSI
Project ID 62343
Date Sampled Sep 13, 2022
Report 923582-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP001_0.0-0.1	22-Se0031581	Sep 13, 2022	Approximate Sample 568g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP007_0.0-0.1	22-Se0031583	Sep 13, 2022	Approximate Sample 583g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP020_0.0-0.1	22-Se0031585	Sep 13, 2022	Approximate Sample 638g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP033_0.0-0.1	22-Se0031586	Sep 13, 2022	Approximate Sample 606g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP047_0.0-0.1	22-Se0031587	Sep 13, 2022	Approximate Sample 716g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP062_0.3-0.4	22-Se0031588	Sep 13, 2022	Approximate Sample 519g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP077_0.0-0.1	22-Se0031590	Sep 13, 2022	Approximate Sample 651g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP038_0.0-0.1	22-Se0031591	Sep 13, 2022	Approximate Sample 640g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP025_0.0-0.1	22-Se0031592	Sep 13, 2022	Approximate Sample 547g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP012_0.0-0.1	22-Se0031593	Sep 13, 2022	Approximate Sample 609g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP048_0.0-0.1	22-Se0031595	Sep 13, 2022	Approximate Sample 580g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP034_0.0-0.1	22-Se0031596	Sep 13, 2022	Approximate Sample 513g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP021_0.0-0.1	22-Se0031597	Sep 13, 2022	Approximate Sample 472g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP008_0.0-0.1	22-Se0031598	Sep 13, 2022	Approximate Sample 485g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP063_0.0-0.1	22-Se0031599	Sep 13, 2022	Approximate Sample 526g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP078_0.0-0.1	22-Se0031600	Sep 13, 2022	Approximate Sample 571g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP093_0.0-0.1	22-Se0031602	Sep 13, 2022	Approximate Sample 284g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP094_0.0-0.1	22-Se0031603	Sep 13, 2022	Approximate Sample 538g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP079_0.0-0.1	22-Se0031604	Sep 13, 2022	Approximate Sample 453g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP064_0.0-0.1	22-Se0031605	Sep 13, 2022	Approximate Sample 568g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP035_0.0-0.1	22-Se0031607	Sep 13, 2022	Approximate Sample 476g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP049_0.0-0.1	22-Se0031608	Sep 13, 2022	Approximate Sample 581g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP022_0.0-0.1	22-Se0031611	Sep 13, 2022	Approximate Sample 483g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP009_0.0-0.1	22-Se0031612	Sep 13, 2022	Approximate Sample 587g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP002_0.0-0.1	22-Se0031613	Sep 13, 2022	Approximate Sample 669g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP005_0.0-0.1	22-Se0031614	Sep 13, 2022	Approximate Sample 623g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP051_0.0-0.1	22-Se0031616	Sep 13, 2022	Approximate Sample 521g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP037_0.0-0.1	22-Se0031617	Sep 13, 2022	Approximate Sample 675g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP024_0.0-0.1	22-Se0031618	Sep 13, 2022	Approximate Sample 633g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP011_0.0-0.1	22-Se0031619	Sep 13, 2022	Approximate Sample 611g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP004_0.0-0.1	22-Se0031622	Sep 13, 2022	Approximate Sample 711g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
QC09	22-Se0031623	Sep 13, 2022	Approximate Sample 660g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP003_0.0-0.1	22-Se0031624	Sep 13, 2022	Approximate Sample 583g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP010_0.0-0.1	22-Se0031625	Sep 13, 2022	Approximate Sample 664g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP023_0.0-0.1	22-Se0031626	Sep 13, 2022	Approximate Sample 612g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP036_0.0-0.1	22-Se0031627	Sep 13, 2022	Approximate Sample 696g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP050_0.0-0.1	22-Se0031628	Sep 13, 2022	Approximate Sample 738g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP065_0.0-0.1	22-Se0031629	Sep 13, 2022	Approximate Sample 587g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP080_0.0-0.1	22-Se0031630	Sep 13, 2022	Approximate Sample 596g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP095_0.0-0.1	22-Se0031631	Sep 13, 2022	Approximate Sample 556g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP107_0.0-0.1	22-Se0031632	Sep 13, 2022	Approximate Sample 657g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP119_0.0-0.1	22-Se0031633	Sep 13, 2022	Approximate Sample 501g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP118_0.0-0.1	22-Se0031634	Sep 13, 2022	Approximate Sample 683g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP117_0.0-0.1	22-Se0031635	Sep 13, 2022	Approximate Sample 618g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP116_0.0-0.1	22-Se0031636	Sep 13, 2022	Approximate Sample 636g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP104_0.0-0.1	22-Se0031637	Sep 13, 2022	Approximate Sample 759g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP105_0.0-0.1	22-Se0031638	Sep 13, 2022	Approximate Sample 626g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP106_0.0-0.1	22-Se0031641	Sep 13, 2022	Approximate Sample 652g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP129_0.0-0.1	22-Se0031642	Sep 13, 2022	Approximate Sample 636g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP139_0.0-0.1	22-Se0031643	Sep 13, 2022	Approximate Sample 434g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP149_0.0-0.1	22-Se0031644	Sep 13, 2022	Approximate Sample 673g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP159_0.0-0.1	22-Se0031645	Sep 13, 2022	Approximate Sample 639g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FRAG - TP116	22-Se0031646	Sep 13, 2022	Approximate Sample 72g / 120x25x10mm Sample consisted of: Grey compressed fibre cement material	Chrysotile asbestos detected.
TP169_0.0-0.1	22-Se0031647	Sep 13, 2022	Approximate Sample 754g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP176_0.0-0.1	22-Se0031648	Sep 13, 2022	Approximate Sample 735g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP185_0.0-0.1	22-Se0031649	Sep 13, 2022	Approximate Sample 590g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP200_0.0-0.1	22-Se0031651	Sep 13, 2022	Approximate Sample 839g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP214_0.0-0.1	22-Se0031654	Sep 13, 2022	Approximate Sample 652g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220913_QC01LW	22-Se0031655	Sep 13, 2022	Approximate Sample 762g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP212_0.0-0.1	22-Se0031656	Sep 13, 2022	Approximate Sample 606g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP13_0.0-0.1	22-Se0031657	Sep 13, 2022	Approximate Sample 571g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220913_QC07	22-Se0031658	Sep 13, 2022	Approximate Sample 59g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Sep 20, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 20, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 20, 2022	Indefinite

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
External Laboratory																														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																									
1	TP001_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031581			X									X							X			X		
2	TP001_0.45-0.55	Sep 13, 2022		Soil	S22-Se0031582														X						X					
3	TP007_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031583			X											X						X					
4	TP007_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031584														X						X					
5	TP020_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031585			X								X			X						X		X			
6	TP033_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031586			X											X						X					
7	TP047_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031587			X										X							X			X		
8	TP062_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031588			X										X	X			X			X					
9	TP062_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031589														X						X					
10	TP077_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031590			X								X		X	X			X			X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
11	TP038_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031591			X									X							X			X			
12	TP025_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031592			X											X						X						
13	TP012_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031593			X								X			X						X		X				
14	TP012_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031594														X						X						
15	TP048_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031595			X										X	X			X			X						
16	TP034_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031596			X									X								X			X			
17	TP021_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031597			X											X						X						
18	TP008_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031598			X											X						X		X				
19	TP063_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031599			X										X	X				X		X						
20	TP078_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031600			X										X					X		X			X			
21	TP078_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031601														X						X						
22	TP093_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031602			X										X	X			X			X						
23	TP094_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031603			X			X							X		X			X		X			X			
24	TP079_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031604			X										X	X			X			X						

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X							X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
25	TP064_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031605			X								X		X	X				X		X		X		
26	TP064_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031606														X						X				
27	TP035_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031607			X											X						X				
28	TP049_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031608			X										X					X		X			X		
29	TP049_1.5-1.6	Sep 13, 2022		Soil	S22-Se0031609					X			X	X	X				X						X	X				X
30	TP049_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031610					X			X	X	X										X	X				X
31	TP022_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031611	X		X					X						X						X	X				
32	TP009_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031612			X								X			X						X		X			
33	TP002_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031613			X											X						X					
34	TP005_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031614			X																X	X			X		
35	TP005_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031615														X						X					
36	TP051_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031616			X								X		X	X			X			X		X			
37	TP037_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031617			X											X						X					
38	TP024_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031618			X									X								X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X							X					X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
39	TP011_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031619			X											X						X					
40	TP011_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031620					X			X	X	X										X	X				X
41	TP011_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031621					X			X	X	X										X	X				X
42	TP004_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031622			X																	X			X		
43	QC09	Sep 13, 2022		Soil	S22-Se0031623			X																	X			X		
44	TP003_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031624			X											X						X					
45	TP010_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031625			X									X								X			X		
46	TP023_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031626			X											X						X					
47	TP036_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031627			X								X			X						X		X			
48	TP050_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031628			X										X	X			X			X					
49	TP065_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031629			X										X				X			X			X		
50	TP080_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031630			X										X				X			X			X		
51	TP095_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031631			X			X							X		X			X		X			X		
52	TP107_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031632			X											X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
53	TP119_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031633			X											X						X			X		
54	TP118_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031634			X											X						X					
55	TP117_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031635			X									X								X			X		
56	TP116_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031636			X			X							X		X			X		X			X		
57	TP104_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031637			X			X							X		X			X		X			X		
58	TP105_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031638			X			X							X		X			X		X			X		
59	TP105_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031639					X			X	X	X										X	X				X
60	TP105_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031640					X			X	X	X										X	X				X
61	TP106_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031641			X										X					X		X			X		
62	TP129_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031642			X											X						X					
63	TP139_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031643			X								X			X						X		X			
64	TP149_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031644			X										X				X			X			X		
65	TP159_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031645			X								X		X	X			X			X		X			
66	FRAG - TP116	Sep 13, 2022		Building	S22-Se0031646				X																					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
				Materials																										
67	TP169_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031647			X										X	X				X		X					
68	TP176_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031648			X										X					X		X			X		
69	TP185_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031649			X		X			X	X	X				X						X	X				X
70	TP185_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031650					X			X	X	X										X	X				X
71	TP200_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031651			X								X			X						X		X			
72	TP200_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031652					X			X	X	X										X	X				X
73	TP200_2.9-3.0	Sep 13, 2022		Soil	S22-Se0031653					X			X	X	X										X	X				X
74	TP214_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031654			X																	X			X		
75	20220913_QC 01LW	Sep 13, 2022		Soil	S22-Se0031655			X										X					X		X			X		
76	TP212_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031656			X								X			X						X		X			
77	TP13_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031657			X											X						X					
78	20220913_QC	Sep 13, 2022		Soil	S22-Se0031658		X											X					X		X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
	07																													
79	TS	Sep 13, 2022		Water	S22-Se0031659																								X	
80	TB	Sep 13, 2022		Water	S22-Se0031660																X									
81	TP0080.4-0.5	Sep 13, 2022		Soil	S22-Se0031661							X																		
82	TP001_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031662							X																		
83	TP007_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031663							X																		
84	TP020_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031664							X																		
85	TP020_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031665							X																		
86	TP033_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031666							X																		
87	TP033_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031667							X																		
88	TP047_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031668							X																		
89	TP062_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031669							X																		
90	TP038_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031670							X																		
91	TP038_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031671							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
92	TP025_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031672							X																		
93	TP025_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031673							X																		
94	TP012_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031674							X																		
95	TP048_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031675							X																		
96	TP034_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031676							X																		
97	TP034_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031677							X																		
98	TP021_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031678							X																		
99	TP021_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031679							X																		
100	TP008_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031680							X																		
101	TP063_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031681							X																		
102	TP063_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031682							X																		
103	TP078_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031683							X																		
104	TP093_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031684							X																		
105	TP093_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031685							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
106	TP094_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031686							X																		
107	TP079_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031687							X																		
108	TP035_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031688							X																		
109	TP035_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031689							X																		
110	TP049_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031690							X																		
111	TP049_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031691							X																		
112	TP049_1.0-1.1	Sep 13, 2022		Soil	S22-Se0031692							X																		
113	TP049_2.0-2.1	Sep 13, 2022		Soil	S22-Se0031693							X																		
114	TP022_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031694							X																		
115	TP022_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031695							X																		
116	TP009_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031696							X																		
117	TP009_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031697							X																		
118	TP002_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031698							X																		
119	TP002_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031699							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
120	TP005_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031700							X																		
121	TP051_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031701							X																		
122	TP037_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031702							X																		
123	TP024_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031703							X																		
124	TP011_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031704							X																		
125	TP011_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031705							X																		
126	TP004_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031706							X																		
127	TP003_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031707							X																		
128	TP010_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031708							X																		
129	TP023_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031709							X																		
130	TP036_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031710							X																		
131	TP050_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031711							X																		
132	TP065_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031712							X																		
133	TP080_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031713							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
134	TP095_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031714							X																		
135	TP107_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031715							X																		
136	TP119_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031716							X																		
137	TP118_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031717							X																		
138	TP117_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031718							X																		
139	TP116_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031719							X																		
140	TP104_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031720							X																		
141	TP105_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031721							X																		
142	TP105_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031722							X																		
143	TP106_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031723							X																		
144	TP129_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031724							X																		
145	TP139_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031725							X																		
146	TP139_0.6-0.7	Sep 13, 2022		Soil	S22-Se0031726							X																		
147	TP149_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031727							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
148	TP159_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031728							X																		
149	TP169_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031729							X																		
150	TP176_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031730							X																		
151	TP185_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031731							X																		
152	TP185_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031732							X																		
153	TP200_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031733							X																		
154	TP200_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031734							X																		
155	TP200_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031735							X																		
156	TP200_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031736							X																		
157	TP214_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031737							X																		
158	TP077_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031738							X																		
159	TP212_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031739							X																		
160	TP13_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031740							X																		
161	20220913_QC	Sep 13, 2022		Soil	S22-Se0031741							X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 21, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																								
161	20220913_QC 02ST	Sep 13, 2022		Soil	S22-Se0031741																									
162	TP117_0.2-0.3	Sep 13, 2022		Soil	S22-Se0032831							X																		
Test Counts						1	1	60	1	10	5	82	11	10	10	11	6	26	44	5	1	11	14	1	77	11	13	25	1	10

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

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

Calculations

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

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

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

Terms

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

Comments

22-Se0031602, 22-Se0031604, 22-Se0031607, 22-Se0031611, 22-Se0031597, 22-Se0031598 and 22-Se0031643: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

22-Se0031658: The sample received was not collected in an approved asbestos bag and was therefore sub-sampled from the 250mL glass jar. Valid sub-sampling procedures were applied so as to ensure that the sub-sample to be analysed accurately represented the sample received.

Sample Integrity

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

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **923582-W**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 14, 2022

Client Sample ID			**TS**	**TB**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S22-Se0031659**	**S22-Se0031660**
Date Sampled			**Sep 13, 2022**	**Sep 13, 2022**
Test/Reference	LOR	Unit		
BTEX				
Benzene	1	%	120	-
Ethylbenzene	1	%	95	-
m&p-Xylenes	1	%	100	-
o-Xylene	1	%	95	-
Toluene	1	%	100	-
Xylenes - Total	1	%	97	-
4-Bromofluorobenzene (surr.)	1	%	107	-
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	123

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
BTEX	Sydney	Sep 16, 2022	14 Days

- Method: LTM-ORG-2010 BTEX and Volatile TRH

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
External Laboratory																													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																								
1	TP001_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031581		X									X								X			X		
2	TP001_0.45-0.55	Sep 13, 2022		Soil	S22-Se0031582													X						X					
3	TP007_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031583		X											X						X					
4	TP007_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031584													X						X					
5	TP020_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031585		X								X			X						X		X			
6	TP033_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031586		X											X						X					
7	TP047_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031587		X										X							X			X		
8	TP062_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031588		X										X	X			X			X					
9	TP062_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031589													X						X					
10	TP077_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031590		X								X		X	X			X			X		X			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
11	TP038_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031591		X									X								X			X		
12	TP025_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031592		X											X						X					
13	TP012_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031593		X								X			X						X		X			
14	TP012_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031594													X						X					
15	TP048_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031595		X										X	X			X			X					
16	TP034_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031596		X									X								X			X		
17	TP021_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031597		X											X						X					
18	TP008_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031598		X											X						X		X			
19	TP063_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031599		X										X	X				X		X					
20	TP078_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031600		X										X					X		X			X		
21	TP078_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031601													X						X					
22	TP093_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031602		X										X	X			X			X					
23	TP094_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031603		X			X							X		X			X		X			X		
24	TP079_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031604		X										X	X			X			X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
25	TP064_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031605		X								X		X	X				X		X		X			
26	TP064_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031606													X						X					
27	TP035_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031607		X											X						X					
28	TP049_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031608		X										X					X		X			X		
29	TP049_1.5-1.6	Sep 13, 2022		Soil	S22-Se0031609				X			X	X	X				X						X	X				X
30	TP049_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031610				X			X	X	X										X	X				X
31	TP022_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031611	X	X					X						X						X	X				
32	TP009_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031612		X								X			X						X		X			
33	TP002_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031613		X											X						X					
34	TP005_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031614		X																X	X			X		
35	TP005_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031615													X						X					
36	TP051_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031616		X								X		X	X			X			X		X			
37	TP037_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031617		X											X						X					
38	TP024_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031618		X									X								X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
39	TP011_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031619		X											X						X					
40	TP011_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031620				X			X	X	X										X	X				X
41	TP011_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031621				X			X	X	X										X	X				X
42	TP004_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031622		X																	X			X		
43	QC09	Sep 13, 2022		Soil	S22-Se0031623		X																	X			X		
44	TP003_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031624		X											X						X					
45	TP010_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031625		X									X								X			X		
46	TP023_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031626		X											X						X					
47	TP036_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031627		X								X			X						X		X			
48	TP050_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031628		X										X	X			X			X					
49	TP065_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031629		X										X				X			X			X		
50	TP080_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031630		X										X				X			X			X		
51	TP095_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031631		X			X							X		X			X		X			X		
52	TP107_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031632		X											X						X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
53	TP119_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031633		X											X						X					
54	TP118_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031634		X											X						X					
55	TP117_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031635		X									X								X			X		
56	TP116_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031636		X			X							X		X			X		X			X		
57	TP104_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031637		X			X							X		X			X		X			X		
58	TP105_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031638		X			X							X		X			X		X			X		
59	TP105_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031639				X			X	X	X										X	X				X
60	TP105_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031640				X			X	X	X										X	X				X
61	TP106_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031641		X										X					X		X			X		
62	TP129_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031642		X											X						X					
63	TP139_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031643		X								X			X						X		X			
64	TP149_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031644		X										X				X			X			X		
65	TP159_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031645		X								X		X	X			X			X		X			
66	FRAG - TP116	Sep 13, 2022		Building	S22-Se0031646			X																					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254							X										X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
				Materials																									
67	TP169_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031647		X										X	X				X		X					
68	TP176_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031648		X										X					X		X			X		
69	TP185_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031649		X		X			X	X	X				X						X	X				X
70	TP185_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031650				X			X	X	X										X	X				X
71	TP200_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031651		X								X			X						X		X			
72	TP200_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031652				X			X	X	X										X	X				X
73	TP200_2.9-3.0	Sep 13, 2022		Soil	S22-Se0031653				X			X	X	X										X	X				X
74	TP214_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031654		X																	X			X		
75	20220913_QC 01LW	Sep 13, 2022		Soil	S22-Se0031655		X										X					X		X			X		
76	TP212_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031656		X								X			X						X		X			
77	TP13_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031657		X											X						X					
78	20220913_QC	Sep 13, 2022		Soil	S22-Se0031658		X										X					X		X			X		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
	07																												
79	TS	Sep 13, 2022		Water	S22-Se0031659																							X	
80	TB	Sep 13, 2022		Water	S22-Se0031660															X									
81	TP0080.4-0.5	Sep 13, 2022		Soil	S22-Se0031661						X																		
82	TP001_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031662						X																		
83	TP007_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031663						X																		
84	TP020_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031664						X																		
85	TP020_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031665						X																		
86	TP033_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031666						X																		
87	TP033_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031667						X																		
88	TP047_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031668						X																		
89	TP062_0.0-0.1	Sep 13, 2022		Soil	S22-Se0031669						X																		
90	TP038_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031670						X																		
91	TP038_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031671						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
92	TP025_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031672						X																		
93	TP025_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031673						X																		
94	TP012_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031674						X																		
95	TP048_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031675						X																		
96	TP034_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031676						X																		
97	TP034_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031677						X																		
98	TP021_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031678						X																		
99	TP021_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031679						X																		
100	TP008_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031680						X																		
101	TP063_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031681						X																		
102	TP063_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031682						X																		
103	TP078_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031683						X																		
104	TP093_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031684						X																		
105	TP093_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031685						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
106	TP094_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031686						X																		
107	TP079_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031687						X																		
108	TP035_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031688						X																		
109	TP035_0.4-0.5	Sep 13, 2022		Soil	S22-Se0031689						X																		
110	TP049_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031690						X																		
111	TP049_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031691						X																		
112	TP049_1.0-1.1	Sep 13, 2022		Soil	S22-Se0031692						X																		
113	TP049_2.0-2.1	Sep 13, 2022		Soil	S22-Se0031693						X																		
114	TP022_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031694						X																		
115	TP022_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031695						X																		
116	TP009_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031696						X																		
117	TP009_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031697						X																		
118	TP002_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031698						X																		
119	TP002_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031699						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
120	TP005_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031700						X																		
121	TP051_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031701						X																		
122	TP037_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031702						X																		
123	TP024_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031703						X																		
124	TP011_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031704						X																		
125	TP011_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031705						X																		
126	TP004_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031706						X																		
127	TP003_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031707						X																		
128	TP010_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031708						X																		
129	TP023_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031709						X																		
130	TP036_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031710						X																		
131	TP050_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031711						X																		
132	TP065_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031712						X																		
133	TP080_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031713						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
134	TP095_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031714						X																		
135	TP107_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031715						X																		
136	TP119_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031716						X																		
137	TP118_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031717						X																		
138	TP117_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031718						X																		
139	TP116_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031719						X																		
140	TP104_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031720						X																		
141	TP105_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031721						X																		
142	TP105_1.4-1.5	Sep 13, 2022		Soil	S22-Se0031722						X																		
143	TP106_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031723						X																		
144	TP129_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031724						X																		
145	TP139_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031725						X																		
146	TP139_0.6-0.7	Sep 13, 2022		Soil	S22-Se0031726						X																		
147	TP149_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031727						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
148	TP159_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031728						X																		
149	TP169_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031729						X																		
150	TP176_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031730						X																		
151	TP185_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031731						X																		
152	TP185_0.5-0.6	Sep 13, 2022		Soil	S22-Se0031732						X																		
153	TP200_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031733						X																		
154	TP200_0.9-1.0	Sep 13, 2022		Soil	S22-Se0031734						X																		
155	TP200_1.9-2.0	Sep 13, 2022		Soil	S22-Se0031735						X																		
156	TP200_2.4-2.5	Sep 13, 2022		Soil	S22-Se0031736						X																		
157	TP214_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031737						X																		
158	TP077_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031738						X																		
159	TP212_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031739						X																		
160	TP13_0.3-0.4	Sep 13, 2022		Soil	S22-Se0031740						X																		
161	20220913_QC	Sep 13, 2022		Soil	S22-Se0031741						X																		

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 923582
Phone: 02 8245 0300
Fax:

Received: Sep 14, 2022 2:50 PM
Due: Sep 19, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Suite B14: OCP/OPP	Eurofins Suite B15	Volatile Organics	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Eurofins Suite B7	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X								X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794						X																							
161	20220913_QC 02ST	Sep 13, 2022		Soil	S22-Se0031741																								
162	TP117_0.2-0.3	Sep 13, 2022		Soil	S22-Se0032831						X																		
Test Counts						1	61	1	10	5	82	11	10	10	11	6	26	44	5	1	11	14	1	77	11	13	25	1	10

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

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

.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	102			70-130	Pass	
Toluene	%	93			70-130	Pass	
Ethylbenzene	%	91			70-130	Pass	
m&p-Xylenes	%	96			70-130	Pass	
o-Xylene	%	91			70-130	Pass	
Xylenes - Total*	%	94			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0033673	NCP	%	91			70-130	Pass	
Toluene	S22-Se0033673	NCP	%	85			70-130	Pass	
Ethylbenzene	S22-Se0033673	NCP	%	89			70-130	Pass	
m&p-Xylenes	S22-Se0033673	NCP	%	92			70-130	Pass	
o-Xylene	S22-Se0033673	NCP	%	91			70-130	Pass	
Xylenes - Total*	S22-Se0033673	NCP	%	92			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0035344	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S22-Se0035344	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S22-Se0035344	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Se0035344	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S22-Se0035344	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S22-Se0035344	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

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

Authorised by:

Andrew Black	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: ST LH
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos*	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicide	cyanide & phenols	CEC, pH, % clay	Salinity / EC	CEC	ESP	pH	Sulfate & chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP008_0.4-0.5	Soil	13/09		Jar + Ice																					* NEPC (2013)/DOH 2x Asbestos 500mL
TP001_0.0-0.1				Jar + Bag + Ice		X	X	X	X		X														
_0.3-0.4				↓																					
_0.45-0.55				Jar + Ice		X																			
TP007_0.0-0.1				Jar + Bag + Ice		X	X																		
_0.3-0.4				↓																					
_0.4-0.5				Jar + Ice		X																			
TP020_0.0-0.1				Jar + Bag + Ice		X	X	X																	
_0.3-0.4				↓																					
_0.4-0.5				Jar + Ice																					
TP033_0.0-0.1				Jar + Bag + Ice		X	X																		
0.3-0.4				↓																					
0.4-0.5				Jar + Ice																					
TP047_0.0-0.1				Jar + Bag + Ice		X	X	X	X		X	X	X												
_0.3-0.4				Jar + Ice																					
TP062_0.0-0.1				Jar + Bag + Ice																					
_0.3-0.4				↓		X	X					X	X												
_0.4-0.5				Jar + Ice		X																			
TP077_0.0-0.1	↓	↓		Jar + Bag + Ice		X	X	X				X	X												

RELINQUISHED BY:
NAME: Serena DATE: 13/09/22
OF: JBS&G Tran
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME: RPhillips
DATE: 14/9/23 2.50pm
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No..... Intact ..... Broken .....
COOLER TEMP ..... deg C 12-8°C # 923582
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicide	Cyanide & phenols	CEC, PH, Clay	Salinity/EC	CEC	ESP	PH	Sulfate & Chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP038_0.0-0.1	Soil			Jar + Bag + ice		X	X	X	X		X														
↓ -0.3-0.4				↓																					
↓ -0.5-0.6				Jar + ice																					
TP025_0.0-0.1				Jar + Bag + ice		X	X																		
↓ -0.3-0.4				↓																					
↓ -0.4-0.5				Jar + ice																					
TP012_0.0-0.1				Jar + Bag + ice		X	X	X																	
↓ -0.3-0.4				↓																					
↓ -0.4-0.5				Jar + ice		X																			
TP048_0.0-0.1				Jar + Bag + ice		X	X					X	X												
↓ -0.3-0.4				Jar + ice																					
TP034_0.0-0.1				Jar + Bag + ice		X	X	X	X		X														
↓ -0.3-0.4				↓																					
↓ -0.4-0.5				Jar + ice																					
TP021_0.0-0.1				Jar + Bag + ice		X	X																		
↓ -0.3-0.4				↓																					
↓ -0.4-0.5				Jar + ice																					
TP008_0.0-0.1				Jar + Bag + ice		X	X	X																	
↓ -0.3-0.4				↓																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

pg 3 of 9

Chain of Custody

JBS&G

PROJECT NO.: 62343 | LABORATORY BATCH NO.:

PROJECT NAME: Guntawong Rd DSI | SAMPLERS: ST, LH

DATE NEEDED BY: Standard TAT | QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7116

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity, EC	SEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP063_0.0-0.1	SOIL	13/09		Jar + Bag + ice		X	X				X	X	X												
_0.3-0.4				↓							—														
_0.4-0.5				Jar + Bag																					
TP078_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X												
_0.3-0.4				↓																					
_0.4-0.5				Jar + ~~Bag~~ ice		X																			
TP093_0.0-0.1				Jar + Bag + ice		X	X					X	X												
_0.3-0.4				↓																					
_0.4-0.5				Jar + ice																					
TP094_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X	X											
_0.3-0.4				Jar + ice																					
TP079_0.0-0.1				Jar + Bag + ice		X	X					X	X												
_0.3-0.4				Jar + ice																					
~~_0.4-0.5~~				~~Jar + ice~~																					
TP064_0.0-0.1				Jar + Bag + ice		X	X	X			X	X	X												
_0.4-0.5				Jar + ice		X																			
TP035_0.0-0.1				Jar + Bag + ice		X	X																		
_0.3-0.4				↓																					
_0.4-0.5	↓	↓		Jar + ice																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au	
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:	

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH / PAH	BTEX	VOC	PCB	OCP	OPP/acid herbicide	cyanide & phenols	CEC, pH, % clay	Salinity IEC	CEC	ESP	pH	Sulfate & chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP049_0.0-0.1	soil	13/09		Jar + Bag tile		X	X	X	X		X	X	X			X	X	X	X	X			
_0.3-0.4				↓																			
_0.5-0.6				Jar tile																			
_1.0-1.1																							
_1.5-1.6						X										X	X	X	X	X			
_2.0-2.1																							
_2.4-2.5																X	X	X	X	X			
TP022_0.0-0.1				Jar + Bag tile		X	X								X								
_0.3-0.4				↓																			
_0.5-0.6				Jar tile																			
TP009_0.0-0.1				Jar + Bag tile		X	X	X															
_0.3-0.4				↓																			
_0.5-0.6				Jar tile																			
TP002_0.0-0.1				Jar + Bag tile		X	X																
_0.3-0.4				↓																			
_0.4-0.5				Jar tile																			
TP005_0.0-0.1				Jar + Bag tile		X	X	X	X	X													
_0.3-0.4				↓																			
_0.4-0.5				Jar tile		X																	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/04/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO		COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: AS, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity/EC	CEC	ESP	PH	Sulfate & chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP051_G_0.1	SOIL	13.9.22		Bag+Jar+Ice		X	X	X				X	X													
↓ 0.3-0.4				Jar+Ice																						
TP037_0-0.1				Bag+Jar+Ice		X	X																			
↓ 0.3-0.4				Jar+Ice																						
TP024_0-0.1				Bag+Jar+Ice		X	X	X	X		X															
↓ 0.3-0.4				Jar+Ice																						
TP011_0-0.1				Bag+Jar+Ice		X	X																			
0.3-0.4				Jar+Ice												X	X	X	X	X						
0.9-1.0																										
1.4-1.5																										
↓ 1.9-2.0				↓												X	X	X	X	X						
TP004_0-0.1				Bag+Jar+Ice		X	X	X	X																	
↓ 0.3-0.4				Jar+Ice																						
QC09				Bag+Jar+Ice		X	X	X	X																	
TP003_0-0.1				↓		X	X																			
↓ 0.3-0.4				Jar+Ice																						
TP010_0-0.1				Bag+Jar+Ice		X	X	X	X		X															
↓ 0.3-0.4				Jar+Ice																						
TP023_0-0.1	↓	↓		Bag+Jar+Ice		X	X																			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP:.....deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP:.....deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

1-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: AS, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7116
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicide	cyanide & phenol	CEC, pH, % clay	Salinity/EC	CEC	ESP	pH	Sulfate & chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP023_0.3-0.4	SOIL	13.9.22		Jar+Ice																			
TP036-0-0.1				Bag+Jar+Ice		X	X	X															
↓ 0.3-0.4				Jar+Ice																			
TP050-0-0.1				Bag+Jar+Ice		X	X	-				X	X										
↓ 0.3-0.4				Jar+Ice																			
TP065_0-0.1				Bag+Jar+Ice		X	X	X	X			X	X										
↓ 0.3-0.4				Jar+Ice																			
TP080_0-0.1				Bag+Jar+Ice		X	X	X	X			X	X										
↓ 0.3-0.4				Jar+Ice																			
TP095_0-0.1				Bag+Jar+Ice		X	X	X	X		X	X	X	X									
↓ 0.3-0.4				Jar+Ice																			
TP107_0-0.1				Bag+Jar+Ice		X	X																
↓ 0.3-0.4				Jar+Ice																			
TP119_0-0.1				Bag+Jar+Ice		X	X	X															
↓ 0.3-0.4				Jar+Ice																			
TP118_0-0.1				Bag+Jar+Ice		X	X																
↓ 0.3-0.4				Jar+Ice																			
TP117_0-0.1				Bag+Jar+Ice		X	X	X	X		X												
0.3-0.4 ↓		↓		Jar+Ice																			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF:	TRANSPORT CO	NAME: DATE:	COOLER TEMP ..... deg C
		OF:	

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Pg 7 of 9

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd D&T
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: AS, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	cyanide + phenol	CEC, AH, %Clay	Salinity/EC	CEC	ESP	PH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP116_0-0.1	SOIL	13.9.22		Jar + Bag + Ice		X	X	X	X		X	X	X	X											
↓ 0.3-0.4				Jar + Ice																					
TP104_0-0.1				Bag + Jar + Ice		X	X	X	X		X	X	X	X											
↓ 0.3-0.4				Jar + Ice																					
TP105_0-0.1				Bag + Jar + Ice		X	X	X	X		X	X	X	X											
0.3-0.4				Jar + Ice																					
0.9-1.0															X	X	X	X	X						
1.4-1.5																									
↓ 1.9-2.0				↓																					
TP106_0-0.1				Bag + Jar + Ice		X	X	X	X		X	X	X	X		X	X	X	X	X						
↓ 0.3-0.4				Jar + Ice																					
TP129_0-0.1				Bag + Jar + Ice		X	X																		
↓ 0.3-0.4				Jar + Ice																					
TP139_0-0.1				Bag + Jar + Ice		X	X	X																	
0.3-0.4				↓																					
↓ 0.6-0.7				Jar + Ice																					
TP149_0-0.1				Bag + Jar + Ice		X	X	X	X			X	X												
↓ 0.3-0.4				Jar + Ice																					
TP159_0-0.1				Bag + Jar + Ice		X	X	X				X	X												

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	COOLER TEMP..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	OF: NAME: DATE:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF:	TRANSPORT CO		COOLER TEMP..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

pg 9 of 9

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7733

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicides	Cyanide & phenols	CEC, pH, %Clay	Salinity/EC	CEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP07_0.3-0.4	SOIL	13/09		Jar + Ice		*																			
20220913_QC01W				Bag + Jar + Ice		X	X	X	X		X	X	X												
TP12_0-0.1				↓		X	X	X																	
↓ 0.3-0.4				Jar + Ice																					
TP13_0-0.1				Bag + Jar + Ice		X	X																		
0.3-0.4				Jar + Ice																					
↓																									
20220913_QC07				Jar + Ice		X	X	X	X		X	X	X												
20220913_QC02ST	↓	↓		Jar + Bag + Ice																					
TS/TB	Water	↓		Vials + Ice					X																

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: AS, LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicide	cyanide & phenols	CEC, PH, Clay	Salinity, EC	CEC	ESP	PH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
FRAG-TP116	MATERIAL	13.9.22		Bag			X																X		
TP159_0.3-0.4	SOIL			Jar+Ice																					
TP169_0-0.1				Bag+Jar+Ice		X	X				X	X	X												
↓ 0.3-0.4				Jar+Ice																					
TP176_0-0.1				Bag+Jar+Ice		X	X	X	X		X	X	X												
↓ 0.3-0.4				Jar+Ice																					
TP185_0-0.1				Bag+Jar+Ice		X	X									X	X	X	X	X					
0.3-0.4																									
0.5-0.6																									
↓ 0.9-1.0				Jar+Ice																					
TP200_0-0.1				Bag+Jar+Ice		X	X	X							X	X	X	X	X						
0.3-0.4				Jar+Ice																					
0.9-1.0																									
1.4-1.5																									
1.9-2.0															X	X	X	X	X						
2.4-2.5																									
↓ 2.9-3.0																									
TP214_0-0.1				Bag+Jar+Ice		X	X	X	X						X	X	X	X	X						
↓ 0.3-0.4				Jar+Ice																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF: JBS&G	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No..... Intact..... Broken.....
OF:	TRANSPORT CO	OF:	COOLER TEMP..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Envirolab

Chain of Custody 1/1

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH, LW, ~~AS~~
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH PAH	BTEX	VOC	PCB	OCP	OPP, acid herbicide	Cyanide & phenols	CEC, PH, 7 day	Salinity EC	CEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
20220913_QA07				Jar + Ice		x	x	x	x		x	x	x												
20220913_QA02ST				Jar + Bag + Ice																					
20220913_QA01LW				Jar + Bag + Ice		x	x	x	x																
QA09				↓		x	x	x	x																

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 13/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

eurofins | Environment Testing

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

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG RD DSI
Project ID:	62343
Turnaround time:	3 Day
Date/Time received	Sep 14, 2022 2:50 PM
Eurofins reference	923582

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 12.8 degrees Celsius.
✓	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 that the samples TP13 in the COC are actually labelled TP213. We received TP002_0.5-0.6, and no TP002_0.4-0.5. We are missing the following samples ; TP008_0.4-0.5 and TP117_0.3-0.4. Please advise. The four samples which needed to be sent to Envirolab have been forwarded as per COC.

Contact

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

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

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **924697-S**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 15, 2022

Client Sample ID			**TP060_0-0.1**	**TP060_1-1.1**	**TP060_1.5-1.6**	**TP045_0-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Se0040690**	**S22-Se0040691**	**S22-Se0040692**	**S22-Se0040693**
Date Sampled			**Sep 14, 2022**	**Sep 14, 2022**	**Sep 14, 2022**	**Sep 14, 2022**
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	-	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
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	%	119	-	-	-
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	-	-	-

Client Sample ID			TP060_0-0.1	TP060_1-1.1	TP060_1.5-1.6	TP045_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040690	S22-Se0040691	S22-Se0040692	S22-Se0040693
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	93	-	-	-
p-Terphenyl-d14 (surr.)	1	%	88	-	-	-
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	%	85	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	88	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	9.8	-	-	13
Cadmium	0.4	mg/kg	< 0.4	-	-	< 0.4
Chromium	5	mg/kg	17	-	-	28
Copper	5	mg/kg	29	-	-	11
Lead	5	mg/kg	21	-	-	18
Mercury	0.1	mg/kg	< 0.1	-	-	< 0.1
Nickel	5	mg/kg	12	-	-	7.7
Zinc	5	mg/kg	48	-	-	26

Client Sample ID			TP060_0-0.1	TP060_1-1.1	TP060_1.5-1.6	TP045_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040690	S22-Se0040691	S22-Se0040692	S22-Se0040693
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
% Moisture	1	%	23	13	6.2	19
Chloride	10	mg/kg	-	450	10	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	32	64	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	6.7	7.1	-
Salinity (determined from EC)*	20	mg/kg	-	22	35	-
Sulphate (as SO4)	10	mg/kg	-	12	< 10	-
Exchangeable Sodium Percentage (ESP)	0.1	%	-	16	19	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	9.3	10	-

Client Sample ID			TP031_0-0.1	TP018_0-0.1	TP006_0-0.1	TP019_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040694	S22-Se0040695	S22-Se0040696	S22-Se0040697
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
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	%	108	109	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			TP031_0-0.1	TP018_0-0.1	TP006_0-0.1	TP019_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040694	S22-Se0040695	S22-Se0040696	S22-Se0040697
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94	93	-	73
p-Terphenyl-d14 (surr.)	1	%	85	83	-	66
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	100	90	-	-
Tetrachloro-m-xylene (surr.)	1	%	94	93	-	-
Heavy Metals						
Arsenic	2	mg/kg	16	12	8.8	10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	38	19	13	15
Copper	5	mg/kg	9.3	29	13	9.3
Lead	5	mg/kg	20	16	11	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.3	14	< 5	< 5
Zinc	5	mg/kg	29	100	28	19

Client Sample ID			TP031_0-0.1	TP018_0-0.1	TP006_0-0.1	TP019_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040694	S22-Se0040695	S22-Se0040696	S22-Se0040697
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
% Moisture	1	%	19	26	17	17
Chloride	10	mg/kg	-	-	-	< 10
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	< 10
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	6.3
Salinity (determined from EC)*	20	mg/kg	-	-	-	< 20
Sulphate (as SO4)	10	mg/kg	-	-	-	10
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	-	3.7
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	3.8
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	-	-
Dibutylchlorendate (surr.)	1	%	100	90	-	-
Tetrachloro-m-xylene (surr.)	1	%	94	93	-	-

Client Sample ID			TP019_0.3-0.4	TP032_0-0.1	TP046_0-0.1	TP061_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040698	S22-Se0040699	S22-Se0040700	S22-Se0040701
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	-	< 50
TRH >C16-C34	100	mg/kg	-	< 100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	95	-	85

Client Sample ID			TP019_0.3-0.4	TP032_0-0.1	TP046_0-0.1	TP061_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040698	S22-Se0040699	S22-Se0040700	S22-Se0040701
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
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	%	-	105	-	100
p-Terphenyl-d14 (surr.)	1	%	-	97	-	90
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	67	97
Tetrachloro-m-xylene (surr.)	1	%	-	-	74	103

Client Sample ID			TP019_0.3-0.4	TP032_0-0.1	TP046_0-0.1	TP061_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040698	S22-Se0040699	S22-Se0040700	S22-Se0040701
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	14	7.9	22
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	29	16	44
Copper	5	mg/kg	-	10	11	28
Lead	5	mg/kg	-	19	17	75
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	5.7	6.1	15
Zinc	5	mg/kg	-	21	23	70
% Moisture	1	%	16	15	18	19
Chloride	10	mg/kg	< 10	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	14	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	6.1	-	-	-
Salinity (determined from EC)*	20	mg/kg	< 20	-	-	-
Sulphate (as SO4)	10	mg/kg	< 10	-	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	5.3	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	4.8	-	-	-
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
Dibutylchlorendate (surr.)	1	%	-	-	-	97
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	103
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

Client Sample ID			TP019_0.3-0.4	TP032_0-0.1	TP046_0-0.1	TP061_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040698	S22-Se0040699	S22-Se0040700	S22-Se0040701
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	-	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	-	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	-	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	-	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	63	83
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	%	-	-	116	114

Client Sample ID			TP234_0-0.1	TP076_0-0.1	TP091_0-0.1	TP091_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040702	S22-Se0040703	S22-Se0040704	S22-Se0040705
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	-	< 20	< 20	< 100
TRH C15-C28	50	mg/kg	-	< 50	< 50	< 250
TRH C29-C36	50	mg/kg	-	< 50	75	730
TRH C10-C36 (Total)	50	mg/kg	-	< 50	75	730
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	-	< 50	< 50	< 250
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	< 250
TRH >C16-C34	100	mg/kg	-	< 100	< 100	600

Client Sample ID			TP234_0-0.1	TP076_0-0.1	TP091_0-0.1	TP091_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040702	S22-Se0040703	S22-Se0040704	S22-Se0040705
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C34-C40	100	mg/kg	-	< 100	< 100	940
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	1540
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	93	80	91
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	75	97	99
p-Terphenyl-d14 (surr.)	1	%	-	90	78	78
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	-	0.07	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5

Client Sample ID			TP234_0-0.1	TP076_0-0.1	TP091_0-0.1	TP091_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040702	S22-Se0040703	S22-Se0040704	S22-Se0040705
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	0.07	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	-	58	63	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	71	89	93
Heavy Metals						
Arsenic	2	mg/kg	12	2.5	9.9	4.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	4.1	1.5
Chromium	5	mg/kg	26	7.9	9.3	8.7
Copper	5	mg/kg	17	9.5	16000	120
Lead	5	mg/kg	34	140	19000	13000
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.6	< 5	8.0	24
Zinc	5	mg/kg	37	57	1900	47
% Moisture	1	%	22	16	43	8.1
Cyanide (total)	1	mg/kg	-	< 1	< 1	< 1
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	-	58	63	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	71	89	93
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	-	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5

Client Sample ID			TP234_0-0.1	TP076_0-0.1	TP091_0-0.1	TP091_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040702	S22-Se0040703	S22-Se0040704	S22-Se0040705
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	-	< 2	< 2	< 5
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	-	< 2	< 2	< 5
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	-	52	66	65
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	-	117	95	111
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	-	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	-	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	-	< 1	< 1	< 1

Client Sample ID			TP234_0-0.1	TP076_0-0.1	TP091_0-0.1	TP091_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040702	S22-Se0040703	S22-Se0040704	S22-Se0040705
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	-	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	< 0.4	< 1
Total cresols*	0.5	mg/kg	-	< 0.5	< 0.5	< 1
4-Nitrophenol	5	mg/kg	-	< 5	< 5	< 5
Dinoseb	20	mg/kg	-	< 20	< 20	< 20
Phenol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	-	77	87	95
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	< 20	< 20

Client Sample ID			TP091_0.6-0.7	TP092_0-0.1	TP235_0-0.1	TP145_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040706	S22-Se0040707	S22-Se0040708	S22-Se0040709
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
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	-
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	-
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	-

Client Sample ID			TP091_0.6-0.7	TP092_0-0.1	TP235_0-0.1	TP145_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040706	S22-Se0040707	S22-Se0040708	S22-Se0040709
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	105	-
p-Terphenyl-d14 (surr.)	1	%	-	-	97	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	95	-	73
Tetrachloro-m-xylene (surr.)	1	%	-	102	-	70
Heavy Metals						
Arsenic	2	mg/kg	10	7.7	11	11
Cadmium	0.4	mg/kg	0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	19	31	22
Copper	5	mg/kg	21	11	15	11

Client Sample ID			TP091_0.6-0.7	TP092_0-0.1	TP235_0-0.1	TP145_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040706	S22-Se0040707	S22-Se0040708	S22-Se0040709
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	190	17	80	68
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	5.3	12	13
Zinc	5	mg/kg	29	28	52	52
% Moisture	1	%	26	12	22	15
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
Dibutylchlorendate (surr.)	1	%	-	-	-	73
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	70
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	-	-
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	-	-

Client Sample ID			TP091_0.6-0.7	TP092_0-0.1	TP235_0-0.1	TP145_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040706	S22-Se0040707	S22-Se0040708	S22-Se0040709
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	-
Tokuthion	0.2	mg/kg	-	< 0.2	-	-
Trichloronate	0.2	mg/kg	-	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	-	89	-	-
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	%	-	115	-	-

Client Sample ID			TP136_0-0.1	TP115_0-0.1	TP114_0-0.1	TP199_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040710	S22-Se0040711	S22-Se0040712	S22-Se0040713
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
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	%	-	123	96	-

Client Sample ID			TP136_0-0.1	TP115_0-0.1	TP114_0-0.1	TP199_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040710	S22-Se0040711	S22-Se0040712	S22-Se0040713
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	130	98	116	-
p-Terphenyl-d14 (surr.)	1	%	109	118	109	-
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	%	-	-	106	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	136	-

Client Sample ID			TP136_0-0.1	TP115_0-0.1	TP114_0-0.1	TP199_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040710	S22-Se0040711	S22-Se0040712	S22-Se0040713
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.8	8.8	9.6	13
Cadmium	0.4	mg/kg	4.5	1.6	7.8	< 0.4
Chromium	5	mg/kg	8.2	< 5	23	19
Copper	5	mg/kg	14	23	11	6.2
Lead	5	mg/kg	51	75	360	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	7.8	< 5
Zinc	5	mg/kg	140	11	37	13
% Moisture	1	%	23	21	24	17
Cyanide (total)	1	mg/kg	-	-	< 1	-
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	-
Dibutylchlorendate (surr.)	1	%	-	-	106	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	136	-
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	-
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	-

Client Sample ID			TP136_0-0.1	TP115_0-0.1	TP114_0-0.1	TP199_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040710	S22-Se0040711	S22-Se0040712	S22-Se0040713
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	-	-	101	-
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	%	-	-	129	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	101	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			TP184_0-0.1	TP175_0-0.1	TP168_0-0.1	TP158_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040714	S22-Se0040715	S22-Se0040716	S22-Se0040717
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	97	103	100	4.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	138	121	98	146
p-Terphenyl-d14 (surr.)	1	%	109	128	107	104
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			TP184_0-0.1	TP175_0-0.1	TP168_0-0.1	TP158_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040714	S22-Se0040715	S22-Se0040716	S22-Se0040717
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	[Q09]INT	144	137	114
Tetrachloro-m-xylene (surr.)	1	%	137	119	109	96
Heavy Metals						
Arsenic	2	mg/kg	5.8	15	14	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	29	26	29
Copper	5	mg/kg	5.5	10.0	9.6	8.0
Lead	5	mg/kg	19	21	22	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	9.9	7.3	6.5
Zinc	5	mg/kg	33	32	29	23
% Moisture	1	%	17	18	16	20
Cyanide (total)	1	mg/kg	-	< 1	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	[Q09]INT	144	137	114
Tetrachloro-m-xylene (surr.)	1	%	137	119	109	96

Client Sample ID			TP184_0-0.1	TP175_0-0.1	TP168_0-0.1	TP158_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040714	S22-Se0040715	S22-Se0040716	S22-Se0040717
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	< 2	< 2	< 2
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	-	< 2	< 2	< 2
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	94	110	106
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	-	96	102	112

Client Sample ID			TP184_0-0.1	TP175_0-0.1	TP168_0-0.1	TP158_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040714	S22-Se0040715	S22-Se0040716	S22-Se0040717
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1	mg/kg	-	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	118	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-

Client Sample ID			TP148_0-0.1	TP138_0-0.1	TP128_0-0.1	TP127_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040718	S22-Se0040719	S22-Se0040720	S22-Se0040721
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2

Client Sample ID			TP148_0-0.1	TP138_0-0.1	TP128_0-0.1	TP127_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040718	S22-Se0040719	S22-Se0040720	S22-Se0040721
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	86	100	-	100
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	128	77	-	83
p-Terphenyl-d14 (surr.)	1	%	110	104	-	116
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	-	-

Client Sample ID			TP148_0-0.1	TP138_0-0.1	TP128_0-0.1	TP127_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040718	S22-Se0040719	S22-Se0040720	S22-Se0040721
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	124	109	-	-
Tetrachloro-m-xylene (surr.)	1	%	123	99	-	-
Heavy Metals						
Arsenic	2	mg/kg	5.3	6.1	9.9	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	19	16	18
Copper	5	mg/kg	5.4	8.1	23	17
Lead	5	mg/kg	21	31	27	47
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	5.7	15	7.4
Zinc	5	mg/kg	15	23	120	43
% Moisture	1	%	22	26	15	15
Cyanide (total)	1	mg/kg	< 1	-	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	124	109	-	-
Tetrachloro-m-xylene (surr.)	1	%	123	99	-	-
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	-	-	-

Client Sample ID			TP148_0-0.1	TP138_0-0.1	TP128_0-0.1	TP127_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040718	S22-Se0040719	S22-Se0040720	S22-Se0040721
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	107	-	-	-
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	%	104	-	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	-	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	-	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-
Total cresols*	0.5	mg/kg	< 0.5	-	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-	-

Client Sample ID			TP148_0-0.1	TP138_0-0.1	TP128_0-0.1	TP127_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040718	S22-Se0040719	S22-Se0040720	S22-Se0040721
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
Dinoseb	20	mg/kg	< 20	-	-	-
Phenol	0.5	mg/kg	< 0.5	-	-	-
Phenol-d6 (surr.)	1	%	110	-	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-	-

Client Sample ID			TP137_0-0.1	TP147_0-0.1	TP157_0-0.1	TP167_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040722	S22-Se0040723	S22-Se0040724	S22-Se0040725
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	-	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	-	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	-	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	-	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	-	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	-	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
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	%	-	113	119	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5

Client Sample ID			TP137_0-0.1	TP147_0-0.1	TP157_0-0.1	TP167_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040722	S22-Se0040723	S22-Se0040724	S22-Se0040725
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	99	84	94
p-Terphenyl-d14 (surr.)	1	%	-	111	121	124
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	96	65	-
Tetrachloro-m-xylene (surr.)	1	%	-	73	85	-
Heavy Metals						
Arsenic	2	mg/kg	9.2	8.4	6.7	9.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	13	12	18
Copper	5	mg/kg	6.7	5.1	< 5	< 5
Lead	5	mg/kg	18	20	18	20
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.6	< 5	< 5	< 5
Zinc	5	mg/kg	14	9.5	11	11
% Moisture	1	%	19	21	21	20

Client Sample ID			TP137_0-0.1	TP147_0-0.1	TP157_0-0.1	TP167_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040722	S22-Se0040723	S22-Se0040724	S22-Se0040725
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
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	-
Dibutylchlorendate (surr.)	1	%	-	96	65	-
Tetrachloro-m-xylene (surr.)	1	%	-	73	85	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	0.3	0.3	-
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	-	< 2	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	-
EPN	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	-	< 2	< 2	-
Naled	0.2	mg/kg	-	< 0.2	< 0.2	-
Omethoate	2	mg/kg	-	< 2	< 2	-
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	-
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	%	-	82	97	-

Client Sample ID			TP137_0-0.1	TP147_0-0.1	TP157_0-0.1	TP167_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040722	S22-Se0040723	S22-Se0040724	S22-Se0040725
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
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	%	-	105	113	-

Client Sample ID			TP174_0-0.1	TP183_0-0.1	TP198_0-0.1	TP126_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040726	S22-Se0040727	S22-Se0040728	S22-Se0040729
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	120	-	123	-
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	-

Client Sample ID			TP174_0-0.1	TP183_0-0.1	TP198_0-0.1	TP126_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040726	S22-Se0040727	S22-Se0040728	S22-Se0040729
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	83	-	[Q09]INT	-
p-Terphenyl-d14 (surr.)	1	%	93	-	112	-
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	%	89	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	5.9	9.7	6.5	7.4
Cadmium	0.4	mg/kg	< 0.4	1.2	< 0.4	3.8
Chromium	5	mg/kg	15	20	11	17
Copper	5	mg/kg	< 5	51	7.3	30

Client Sample ID			TP174_0-0.1	TP183_0-0.1	TP198_0-0.1	TP126_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040726	S22-Se0040727	S22-Se0040728	S22-Se0040729
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	16	470	18	64
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	14	< 5	8.3
Zinc	5	mg/kg	11	370	44	46
% Moisture	1	%	18	25	13	16
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	-	-	-
Dibutylchlorendate (surr.)	1	%	121	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
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	-	-	-
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	-	-	-

Client Sample ID			TP174_0-0.1	TP183_0-0.1	TP198_0-0.1	TP126_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040726	S22-Se0040727	S22-Se0040728	S22-Se0040729
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	92	-	-	-
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	%	123	-	-	-

Client Sample ID			TP103_0-0.1	TP103_0.4-0.5	TP090_0-0.1	TP075_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040730	S22-Se0040731	S22-Se0040732	S22-Se0040733
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	124	96	-	-

Client Sample ID			TP103_0-0.1	TP103_0.4-0.5	TP090_0-0.1	TP075_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040730	S22-Se0040731	S22-Se0040732	S22-Se0040733
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
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	%	121	79	-	-
p-Terphenyl-d14 (surr.)	1	%	135	75	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	109	80	-	-
Tetrachloro-m-xylene (surr.)	1	%	145	79	-	-

Client Sample ID			TP103_0-0.1	TP103_0.4-0.5	TP090_0-0.1	TP075_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040730	S22-Se0040731	S22-Se0040732	S22-Se0040733
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	13	9.9	20
Cadmium	0.4	mg/kg	0.7	4.2	< 0.4	< 0.4
Chromium	5	mg/kg	31	34	25	42
Copper	5	mg/kg	9.4	11	23	67
Lead	5	mg/kg	42	62	240	120
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.7	8.5	10	11
Zinc	5	mg/kg	20	27	250	300
% Moisture	1	%	17	20	27	19
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	-	-
Dibutylchlorendate (surr.)	1	%	109	80	-	-
Tetrachloro-m-xylene (surr.)	1	%	145	79	-	-

Client Sample ID			20220914_QC01ST	20220914_QC02ST	TP236_0-0.1	TP211_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040734	S22-Se0040735	S22-Se0040736	S22-Se0040737
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-

Client Sample ID			20220914_QC01ST	20220914_QC02ST	TP236_0-0.1	TP211_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040734	S22-Se0040735	S22-Se0040736	S22-Se0040737
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
BTEX						
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	98	103	-
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	%	-	69	92	-
p-Terphenyl-d14 (surr.)	1	%	-	64	83	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05

Client Sample ID			20220914_QC01ST	20220914_QC02ST	TP236_0-0.1	TP211_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040734	S22-Se0040735	S22-Se0040736	S22-Se0040737
Date Sampled			Sep 14, 2022	Sep 14, 2022	Sep 14, 2022	Sep 14, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	75	101	96
Tetrachloro-m-xylene (surr.)	1	%	-	69	92	90
Heavy Metals						
Arsenic	2	mg/kg	15	7.8	12	4.3
Cadmium	0.4	mg/kg	< 0.4	21	< 0.4	< 0.4
Chromium	5	mg/kg	27	19	26	10
Copper	5	mg/kg	34	67	28	22
Lead	5	mg/kg	51	1300	41	120
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	19	19	9.6
Zinc	5	mg/kg	130	83	81	240
% Moisture	1	%	20	22	10	16
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	75	101	96
Tetrachloro-m-xylene (surr.)	1	%	-	69	92	90

Client Sample ID			TP125_0-0.1
Sample Matrix			Soil
Eurofins Sample No.			S22-Se0040764
Date Sampled			Sep 14, 2022
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
Naphthalene[N02]	0.5	mg/kg	< 0.5
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
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			TP125_0-0.1
Sample Matrix			Soil
Eurofins Sample No.			S22-Se0040764
Date Sampled			Sep 14, 2022
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	%	101
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	%	82
p-Terphenyl-d14 (surr.)	1	%	84
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

Client Sample ID			TP125_0-0.1
Sample Matrix			**Soil**
Eurofins Sample No.			**S22-Se0040764**
Date Sampled			**Sep 14, 2022**
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxaphene	0.5	mg/kg	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1
Dibutylchlorendate (surr.)	1	%	102
Tetrachloro-m-xylene (surr.)	1	%	90
Heavy Metals			
Arsenic	2	mg/kg	11
Cadmium	0.4	mg/kg	26
Chromium	5	mg/kg	28
Copper	5	mg/kg	42
Lead	5	mg/kg	2200
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	22
Zinc	5	mg/kg	100
% Moisture	1	%	23
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
Dibutylchlorendate (surr.)	1	%	102
Tetrachloro-m-xylene (surr.)	1	%	90

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Metals M8	Sydney	Sep 22, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Chloride	Sydney	Sep 21, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Sep 21, 2022	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Salinity (determined from EC)*	Sydney	Sep 21, 2022	28 Days
- Method: LTM-INO-4030			
Sulphate (as SO4)	Sydney	Sep 21, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
Cyanide (total)	Sydney	Sep 22, 2022	14 Days
- Method: E054 Total Cyanide			
Polychlorinated Biphenyls	Sydney	Sep 22, 2022	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Acid Herbicides	Melbourne	Sep 27, 2022	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
% Moisture	Sydney	Sep 19, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Sep 27, 2022	7 Days
- Method: LTM-INO-4030 Conductivity			
Exchangeable Sodium Percentage (ESP)	Melbourne	Sep 27, 2022	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
Cation Exchange Capacity	Melbourne	Sep 27, 2022	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
Phenols (Halogenated)	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
External Laboratory																									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																				
1	TP060_0-0.1	Sep 14, 2022		Soil	S22-Se0040690	X								X	X				X		X	X		X	
2	TP060_1-1.1	Sep 14, 2022		Soil	S22-Se0040691			X			X	X	X									X	X		X
3	TP060_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040692			X			X	X	X									X	X		X
4	TP045_0-0.1	Sep 14, 2022		Soil	S22-Se0040693	X													X			X			
5	TP031_0-0.1	Sep 14, 2022		Soil	S22-Se0040694	X								X	X		X		X		X	X		X	
6	TP018_0-0.1	Sep 14, 2022		Soil	S22-Se0040695	X								X	X		X		X		X	X		X	
7	TP006_0-0.1	Sep 14, 2022		Soil	S22-Se0040696	X													X			X			
8	TP019_0-0.1	Sep 14, 2022		Soil	S22-Se0040697	X		X			X	X	X	X					X			X	X	X	X
9	TP019_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040698			X			X	X	X									X	X		X
10	TP032_0-0.1	Sep 14, 2022		Soil	S22-Se0040699	X								X					X		X	X		X	
11	TP046_0-0.1	Sep 14, 2022		Soil	S22-Se0040700	X									X	X		X	X			X			
12	TP061_0-0.1	Sep 14, 2022		Soil	S22-Se0040701	X								X	X	X	X	X	X		X	X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
13	TP234_0-0.1	Sep 14, 2022		Soil	S22-Se0040702	X													X			X			
14	TP076_0-0.1	Sep 14, 2022		Soil	S22-Se0040703	X			X					X	X	X	X	X	X	X	X	X		X	
15	TP091_0-0.1	Sep 14, 2022		Soil	S22-Se0040704	X			X					X	X	X	X	X	X	X	X	X		X	
16	TP091_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040705	X			X					X	X	X	X	X	X	X	X	X		X	
17	TP091_0.6-0.7	Sep 14, 2022		Soil	S22-Se0040706														X			X			
18	TP092_0-0.1	Sep 14, 2022		Soil	S22-Se0040707	X									X	X		X	X			X			
19	TP235_0-0.1	Sep 14, 2022		Soil	S22-Se0040708	X								X					X		X	X		X	
20	TP145_0-0.1	Sep 14, 2022		Soil	S22-Se0040709	X									X		X		X			X			
21	TP136_0-0.1	Sep 14, 2022		Soil	S22-Se0040710	X								X					X			X		X	
22	TP115_0-0.1	Sep 14, 2022		Soil	S22-Se0040711	X								X					X		X	X		X	
23	TP114_0-0.1	Sep 14, 2022		Soil	S22-Se0040712	X			X					X	X	X	X	X	X	X	X	X		X	
24	TP199_0-0.1	Sep 14, 2022		Soil	S22-Se0040713	X													X			X			
25	TP184_0-0.1	Sep 14, 2022		Soil	S22-Se0040714	X								X	X		X		X		X	X		X	
26	TP175_0-0.1	Sep 14, 2022		Soil	S22-Se0040715	X			X					X	X	X	X	X	X	X	X	X		X	
27	TP168_0-0.1	Sep 14, 2022		Soil	S22-Se0040716	X								X	X	X	X	X	X		X	X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
28	TP158_0-0.1	Sep 14, 2022		Soil	S22-Se0040717	X								X	X	X	X	X	X		X	X		X	
29	TP148_0-0.1	Sep 14, 2022		Soil	S22-Se0040718	X			X					X	X	X	X	X	X	X	X	X		X	
30	TP138_0-0.1	Sep 14, 2022		Soil	S22-Se0040719	X								X	X		X		X		X	X		X	
31	TP128_0-0.1	Sep 14, 2022		Soil	S22-Se0040720	X													X			X			
32	TP127_0-0.1	Sep 14, 2022		Soil	S22-Se0040721	X								X					X		X	X		X	
33	TP137_0-0.1	Sep 14, 2022		Soil	S22-Se0040722	X													X			X			
34	TP147_0-0.1	Sep 14, 2022		Soil	S22-Se0040723	X								X	X	X	X	X	X		X	X		X	
35	TP157_0-0.1	Sep 14, 2022		Soil	S22-Se0040724	X								X	X	X	X	X	X		X	X		X	
36	TP167_0-0.1	Sep 14, 2022		Soil	S22-Se0040725	X								X					X			X		X	
37	TP174_0-0.1	Sep 14, 2022		Soil	S22-Se0040726	X								X	X	X	X	X	X		X	X		X	
38	TP183_0-0.1	Sep 14, 2022		Soil	S22-Se0040727	X													X			X			
39	TP198_0-0.1	Sep 14, 2022		Soil	S22-Se0040728	X								X					X		X	X		X	
40	TP126_0-0.1	Sep 14, 2022		Soil	S22-Se0040729	X													X			X			
41	TP103_0-0.1	Sep 14, 2022		Soil	S22-Se0040730	X								X	X		X		X		X	X		X	
42	TP103_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040731	X								X	X		X		X		X	X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
43	TP090_0-0.1	Sep 14, 2022		Soil	S22-Se0040732	X													X			X			
44	TP075_0-0.1	Sep 14, 2022		Soil	S22-Se0040733	X													X			X			
45	20220914_QC 01ST	Sep 14, 2022		Soil	S22-Se0040734	X													X			X			
46	20220914_QC 02ST	Sep 14, 2022		Soil	S22-Se0040735	X								X	X		X		X		X	X		X	
47	TP236_0-0.1	Sep 14, 2022		Soil	S22-Se0040736	X								X	X		X		X		X	X		X	
48	TP211_0-0.1	Sep 14, 2022		Soil	S22-Se0040737	X									X		X		X			X			
49	FRAG_TP183	Sep 14, 2022		Building Materials	S22-Se0040738		X																		
50	TP060_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040739					X															
51	TP060_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040740					X															
52	TP045_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040741					X															
53	TP045_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040742					X															
54	TP031_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040743					X															
55	TP031_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040744					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
56	TP018_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040745					X															
57	TP006_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040746					X															
58	TP019_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040747					X															
59	TP019_1-1.1	Sep 14, 2022		Soil	S22-Se0040748					X															
60	TP019_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040749					X															
61	TP032_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040750					X															
62	TP046_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040751					X															
63	TP061_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040752					X															
64	TP234_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040753					X															
65	TP234_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040754					X															
66	TP034_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040755					X															
67	TP076_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040756					X															
68	TP092_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040757					X															
69	TP092_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040758					X															
70	TP235_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040759					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
71	TP145_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040760					X															
72	TP136_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040761					X															
73	TP136_0.65-0.75	Sep 14, 2022		Soil	S22-Se0040762					X															
74	TP115_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040763					X															
75	TP125_0-0.1	Sep 14, 2022		Soil	S22-Se0040764	X								X	X		X		X		X	X		X	
76	TP125_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040765					X															
77	TP125_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040766					X															
78	TP125_1-1.1	Sep 14, 2022		Soil	S22-Se0040767					X															
79	TP125_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040768					X															
80	TP125_2-2.1	Sep 14, 2022		Soil	S22-Se0040769					X															
81	TP125_2.5-2.6	Sep 14, 2022		Soil	S22-Se0040770					X															
82	TP114_0.2-0.3	Sep 14, 2022		Soil	S22-Se0040771					X															
83	TP114_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040772					X															
84	TP199_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040773					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
85	TP184_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040774					X															
86	TP175_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040775					X															
87	TP168_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040776					X															
88	TP158_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040777					X															
89	TP148_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040778					X															
90	TP138_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040779					X															
91	TP128_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040780					X															
92	TP127_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040781					X															
93	TP137_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040782					X															
94	TP147_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040783					X															
95	TP157_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040784					X															
96	TP167_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040785					X															
97	TP167_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040786					X															
98	TP167_1-1.1	Sep 14, 2022		Soil	S22-Se0040787					X															
99	TP167_2-2.1	Sep 14, 2022		Soil	S22-Se0040788					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
100	TP167_2.9-3	Sep 14, 2022		Soil	S22-Se0040789					X															
101	TP174_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040790					X															
102	TP183_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040791					X															
103	TP198_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040792					X															
104	TRIP SPIKE	Sep 14, 2022		Water	S22-Se0040793					X															
105	TRIP BLANK	Sep 14, 2022		Water	S22-Se0040794					X															
106	TP126_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040795					X															
107	TP103_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040796					X															
108	TP090_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040797					X															
109	TP090_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040798					X															
110	TP075_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040799					X															
111	TP236_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040800					X															
112	TP211_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040801					X															
113	20220914_QC 01LW	Sep 14, 2022		Soil	S22-Se0040802					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
114	20220914_QC 02LW	Sep 14, 2022		Soil	S22-Se0040803					X															
Test Counts						45	1	4	6	64	4	4	4	30	26	14	23	14	46	6	27	49	4	30	4

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

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

.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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	
Total PAH*	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Chloride	mg/kg	< 10			10	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Sulphate (as SO4)	mg/kg	< 10			10	Pass	
Exchangeable Sodium Percentage (ESP)	%	< 0.1			0.1	Pass	
Cyanide (total)	mg/kg	< 1			1	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	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	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
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							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	114			70-130	Pass	
TRH C10-C14	%	79			70-130	Pass	
Naphthalene	%	89			70-130	Pass	
TRH C6-C10	%	116			70-130	Pass	
TRH >C10-C16	%	71			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	97			70-130	Pass	
Toluene	%	99			70-130	Pass	
Ethylbenzene	%	97			70-130	Pass	
m&p-Xylenes	%	117			70-130	Pass	
o-Xylene	%	116			70-130	Pass	
Xylenes - Total*	%	117			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	72			70-130	Pass	
Acenaphthylene	%	79			70-130	Pass	
Anthracene	%	80			70-130	Pass	
Benz(a)anthracene	%	96			70-130	Pass	
Benzo(a)pyrene	%	71			70-130	Pass	
Benzo(b&j)fluoranthene	%	97			70-130	Pass	
Benzo(g.h.i)perylene	%	86			70-130	Pass	
Benzo(k)fluoranthene	%	80			70-130	Pass	
Chrysene	%	75			70-130	Pass	
Dibenz(a.h)anthracene	%	104			70-130	Pass	
Fluoranthene	%	85			70-130	Pass	
Fluorene	%	77			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	107			70-130	Pass	
Naphthalene	%	77			70-130	Pass	
Phenanthrene	%	74			70-130	Pass	
Pyrene	%	89			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	77			70-130	Pass	
4.4'-DDD	%	80			70-130	Pass	
4.4'-DDE	%	76			70-130	Pass	
4.4'-DDT	%	91			70-130	Pass	
a-HCH	%	73			70-130	Pass	
Aldrin	%	73			70-130	Pass	
b-HCH	%	85			70-130	Pass	
d-HCH	%	75			70-130	Pass	
Dieldrin	%	85			70-130	Pass	
Endosulfan I	%	70			70-130	Pass	
Endosulfan II	%	76			70-130	Pass	
Endosulfan sulphate	%	86			70-130	Pass	
Endrin	%	92			70-130	Pass	
Endrin aldehyde	%	92			70-130	Pass	
Endrin ketone	%	100			70-130	Pass	
g-HCH (Lindane)	%	76			70-130	Pass	
Heptachlor	%	77			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor epoxide	%	79			70-130	Pass	
Hexachlorobenzene	%	94			70-130	Pass	
Methoxychlor	%	81			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	94			80-120	Pass	
Cadmium	%	105			80-120	Pass	
Chromium	%	101			80-120	Pass	
Copper	%	98			80-120	Pass	
Lead	%	86			80-120	Pass	
Mercury	%	106			80-120	Pass	
Nickel	%	97			80-120	Pass	
Zinc	%	112			80-120	Pass	
LCS - % Recovery							
Chloride	%	112			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	81			70-130	Pass	
Sulphate (as SO4)	%	94			70-130	Pass	
Cyanide (total)	%	96			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	108			70-130	Pass	
Aroclor-1260	%	87			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	98			70-130	Pass	
Dimethoate	%	94			70-130	Pass	
Ethion	%	82			70-130	Pass	
Fenitrothion	%	85			70-130	Pass	
Methyl parathion	%	92			70-130	Pass	
Mevinphos	%	77			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	86			70-130	Pass	
2.4-DB	%	70			70-130	Pass	
2.4.5-T	%	92			70-130	Pass	
2.4.5-TP	%	89			70-130	Pass	
Actril (loxynil)	%	83			70-130	Pass	
Dicamba	%	98			70-130	Pass	
Dichlorprop	%	108			70-130	Pass	
Dinitro-o-cresol	%	94			70-130	Pass	
Dinoseb	%	92			70-130	Pass	
MCPA	%	80			70-130	Pass	
MCPB	%	71			70-130	Pass	
Mecoprop	%	90			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	95			25-140	Pass	
2.4-Dichlorophenol	%	118			25-140	Pass	
2.4.5-Trichlorophenol	%	75			25-140	Pass	
2.4.6-Trichlorophenol	%	92			25-140	Pass	
2.6-Dichlorophenol	%	114			25-140	Pass	
4-Chloro-3-methylphenol	%	109			25-140	Pass	
Tetrachlorophenols - Total	%	90			25-140	Pass	
LCS - % Recovery							

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenols (non-Halogenated)									
2-Nitrophenol			%	127			25-140	Pass	
2.4-Dimethylphenol			%	121			25-140	Pass	
2-Methylphenol (o-Cresol)			%	105			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)			%	102			25-140	Pass	
4-Nitrophenol			%	71			25-140	Pass	
Phenol			%	96			25-140	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH >C10-C16	S22-Se0037987	NCP	%	86			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0040690	CP	%	82			75-125	Pass	
Cadmium	S22-Se0040690	CP	%	90			75-125	Pass	
Chromium	S22-Se0040690	CP	%	86			75-125	Pass	
Copper	S22-Se0040690	CP	%	81			75-125	Pass	
Lead	S22-Se0040690	CP	%	106			75-125	Pass	
Mercury	S22-Se0040690	CP	%	95			75-125	Pass	
Nickel	S22-Se0040690	CP	%	81			75-125	Pass	
Zinc	S22-Se0040690	CP	%	114			75-125	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Se0038290	NCP	%	126			70-130	Pass	
Sulphate (as SO4)	S22-Se0038290	NCP	%	104			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0040695	CP	%	79			70-130	Pass	
4.4'-DDD	S22-Se0040695	CP	%	73			70-130	Pass	
4.4'-DDE	S22-Se0040695	CP	%	79			70-130	Pass	
a-HCH	S22-Se0040695	CP	%	77			70-130	Pass	
Aldrin	S22-Se0040695	CP	%	77			70-130	Pass	
b-HCH	S22-Se0040695	CP	%	75			70-130	Pass	
d-HCH	S22-Se0040695	CP	%	78			70-130	Pass	
Dieldrin	S22-Se0040695	CP	%	80			70-130	Pass	
Endosulfan I	S22-Se0040695	CP	%	75			70-130	Pass	
Endosulfan II	S22-Se0040695	CP	%	79			70-130	Pass	
Endosulfan sulphate	S22-Se0040695	CP	%	76			70-130	Pass	
Endrin	S22-Se0040695	CP	%	75			70-130	Pass	
Endrin aldehyde	S22-Se0040695	CP	%	84			70-130	Pass	
Endrin ketone	S22-Se0040695	CP	%	82			70-130	Pass	
g-HCH (Lindane)	S22-Se0040695	CP	%	82			70-130	Pass	
Heptachlor	S22-Se0040695	CP	%	78			70-130	Pass	
Heptachlor epoxide	S22-Se0040695	CP	%	76			70-130	Pass	
Hexachlorobenzene	S22-Se0040695	CP	%	81			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0040695	CP	%	82			70-130	Pass	
Aroclor-1260	S22-Se0040695	CP	%	76			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Dimethoate	S22-Se0035695	NCP	%	77			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C6-C9	S22-Se0040711	CP	%	84			70-130	Pass	
TRH C10-C14	S22-Se0040711	CP	%	71			70-130	Pass	
Naphthalene	S22-Se0040711	CP	%	83			70-130	Pass	
TRH C6-C10	S22-Se0040711	CP	%	88			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0040711	CP	%	81			70-130	Pass	
Toluene	S22-Se0040711	CP	%	87			70-130	Pass	
Ethylbenzene	S22-Se0040711	CP	%	90			70-130	Pass	
m&p-Xylenes	S22-Se0040711	CP	%	90			70-130	Pass	
o-Xylene	S22-Se0040711	CP	%	99			70-130	Pass	
Xylenes - Total*	S22-Se0040711	CP	%	93			70-130	Pass	
Spike - % Recovery									
				Result 1					
Cyanide (total)	S22-Se0040712	CP	%	92			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0040713	CP	%	75			75-125	Pass	
Cadmium	S22-Se0040713	CP	%	88			75-125	Pass	
Copper	S22-Se0040713	CP	%	81			75-125	Pass	
Lead	S22-Se0040713	CP	%	88			75-125	Pass	
Mercury	S22-Se0040713	CP	%	94			75-125	Pass	
Nickel	S22-Se0040713	CP	%	81			75-125	Pass	
Zinc	S22-Se0040713	CP	%	94			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDD	S22-Se0040714	CP	%	110			70-130	Pass	
4.4'-DDE	S22-Se0040714	CP	%	130			70-130	Pass	
4.4'-DDT	S22-Se0040714	CP	%	98			70-130	Pass	
a-HCH	S22-Se0040714	CP	%	99			70-130	Pass	
Aldrin	S22-Se0040714	CP	%	130			70-130	Pass	
b-HCH	S22-Se0040714	CP	%	102			70-130	Pass	
d-HCH	S22-Se0040714	CP	%	106			70-130	Pass	
Dieldrin	S22-Se0040714	CP	%	129			70-130	Pass	
Endosulfan I	S22-Se0040714	CP	%	102			70-130	Pass	
Endosulfan II	S22-Se0040714	CP	%	106			70-130	Pass	
Endosulfan sulphate	S22-Se0040714	CP	%	113			70-130	Pass	
Endrin	S22-Se0040714	CP	%	114			70-130	Pass	
Endrin aldehyde	S22-Se0040714	CP	%	119			70-130	Pass	
Endrin ketone	S22-Se0040714	CP	%	107			70-130	Pass	
g-HCH (Lindane)	S22-Se0040714	CP	%	113			70-130	Pass	
Hexachlorobenzene	S22-Se0040714	CP	%	118			70-130	Pass	
Methoxychlor	S22-Se0040714	CP	%	122			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0040714	CP	%	115			70-130	Pass	
Aroclor-1260	S22-Se0040714	CP	%	108			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0040714	CP	%	92			70-130	Pass	
Ethion	S22-Se0040714	CP	%	118			70-130	Pass	
Fenitrothion	S22-Se0040714	CP	%	91			70-130	Pass	
Methyl parathion	S22-Se0040714	CP	%	95			70-130	Pass	
Mevinphos	S22-Se0040714	CP	%	79			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0040733	CP	%	112			75-125	Pass	
Cadmium	S22-Se0040733	CP	%	94			75-125	Pass	
Chromium	S22-Se0040733	CP	%	103			75-125	Pass	
Mercury	S22-Se0040733	CP	%	95			75-125	Pass	
Nickel	S22-Se0040733	CP	%	92			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040690	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040690	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040690	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0040690	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040690	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040690	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040690	CP	%	23	26	15	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Chloride	S22-Se0041044	NCP	mg/kg	510	550	6.4	30%	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S22-Se0040691	CP	uS/cm	32	34	6.9	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0040691	CP	pH Units	6.7	6.7	<1	30%	Pass	
Salinity (determined from EC)*	S22-Se0040691	CP	mg/kg	22	23	6.9	30%	Pass	
Sulphate (as SO4)	S22-Se0041044	NCP	mg/kg	120	110	9.9	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Exchangeable Sodium Percentage (ESP)	S22-Se0040698	CP	%	5.3	4.8	12	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	S22-Se0040698	CP	meq/100g	4.8	4.5	5.7	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040700	CP	mg/kg	7.9	7.7	2.2	30%	Pass	
Cadmium	S22-Se0040700	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040700	CP	mg/kg	16	15	5.4	30%	Pass	
Copper	S22-Se0040700	CP	mg/kg	11	9.9	15	30%	Pass	
Lead	S22-Se0040700	CP	mg/kg	17	18	6.6	30%	Pass	
Mercury	S22-Se0040700	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040700	CP	mg/kg	6.1	6.1	<1	30%	Pass	
Zinc	S22-Se0040700	CP	mg/kg	23	21	9.1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040700	CP	%	18	19	1.8	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	M22-Se0057181	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040703	CP	mg/kg	0.07	0.06	20	30%	Pass	
Endosulfan I	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040703	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040703	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040703	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040703	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040703	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040703	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040703	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040703	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040703	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040703	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040703	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040703	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040703	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040703	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040703	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040703	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040703	CP	mg/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
Dinoseb	S22-Se0040703	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040703	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040710	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040710	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040710	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0040710	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040710	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040710	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040710	CP	mg/kg	4.8	4.5	7.1	30%	Pass	
Cadmium	S22-Se0040710	CP	mg/kg	4.5	3.9	14	30%	Pass	
Chromium	S22-Se0040710	CP	mg/kg	8.2	6.7	20	30%	Pass	
Copper	S22-Se0040710	CP	mg/kg	14	12	11	30%	Pass	
Lead	S22-Se0040710	CP	mg/kg	51	43	16	30%	Pass	
Mercury	S22-Se0040710	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040710	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0040710	CP	mg/kg	140	120	17	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040710	CP	%	23	23	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endosulfan sulphate	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040712	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040712	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040712	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040712	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040712	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Tokuthion	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040712	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040712	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040712	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040712	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040712	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040712	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040712	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040712	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040712	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040712	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040712	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040712	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0040712	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040712	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0040714	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Se0040714	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0040714	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0040714	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0040714	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0040714	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0040714	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0040714	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0040714	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040716	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040716	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040716	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Methyl parathion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040716	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040716	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040716	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040716	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040716	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040716	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040716	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040716	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040716	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040716	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040716	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040716	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040716	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040716	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0040716	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040716	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040720	CP	mg/kg	9.9	13	30	30%	Pass	
Cadmium	S22-Se0040720	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040720	CP	mg/kg	16	17	6.3	30%	Pass	
Copper	S22-Se0040720	CP	mg/kg	23	18	28	30%	Pass	
Lead	S22-Se0040720	CP	mg/kg	27	22	19	30%	Pass	
Mercury	S22-Se0040720	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040720	CP	mg/kg	15	8.5	54	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040720	CP	%	15	15	2.8	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Benzo(b&j)fluoranthene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040730	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040730	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040730	CP	mg/kg	11	16	36	30%	Fail	Q15
Cadmium	S22-Se0040730	CP	mg/kg	0.7	0.8	17	30%	Pass	
Chromium	S22-Se0040730	CP	mg/kg	31	34	9.6	30%	Pass	
Copper	S22-Se0040730	CP	mg/kg	9.4	10	7.3	30%	Pass	
Lead	S22-Se0040730	CP	mg/kg	42	46	8.6	30%	Pass	
Mercury	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040730	CP	mg/kg	6.7	9.5	35	30%	Fail	Q15
Zinc	S22-Se0040730	CP	mg/kg	20	23	16	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040730	CP	%	17	17	2.3	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1260	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040730	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040730	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040730	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040730	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040730	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Phenanthrene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040764	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040764	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040764	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Hannah Mawbey	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Sayeed Abu	Senior Analyst-Asbestos
Scott Beddoes	Senior Analyst-Inorganic

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Sahani Gunatunge
Report	924697-AID
Project Name	GUNTAWONG RD DSI
Project ID	62343
Received Date	Sep 15, 2022
Date Reported	Oct 04, 2022

Methodology:

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

Project Name GUNTAWONG RD DSI
Project ID 62343
Date Sampled Sep 14, 2022
Report 924697-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP060_0-0.1	22-Se0040690	Sep 14, 2022	Approximate Sample 846g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP045_0-0.1	22-Se0040693	Sep 14, 2022	Approximate Sample 873g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP031_0-0.1	22-Se0040694	Sep 14, 2022	Approximate Sample 859g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP018_0-0.1	22-Se0040695	Sep 14, 2022	Approximate Sample 851g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP006_0-0.1	22-Se0040696	Sep 14, 2022	Approximate Sample 789g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP019_0-0.1	22-Se0040697	Sep 14, 2022	Approximate Sample 634g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP032_0-0.1	22-Se0040699	Sep 14, 2022	Approximate Sample 751g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP046_0-0.1	22-Se0040700	Sep 14, 2022	Approximate Sample 737g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP061_0-0.1	22-Se0040701	Sep 14, 2022	Approximate Sample 811g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP234_0-0.1	22-Se0040702	Sep 14, 2022	Approximate Sample 763g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP076_0-0.1	22-Se0040703	Sep 14, 2022	Approximate Sample 788g Sample consisted of: Brown coarse-grained sandy soil, bitumen, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP091_0-0.1	22-Se0040704	Sep 14, 2022	Approximate Sample 410g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP091_0.3-0.4	22-Se0040705	Sep 14, 2022	Approximate Sample 804g Sample consisted of: Brown fine-grained clayey soil, bitumen, plastic and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP092_0-0.1	22-Se0040707	Sep 14, 2022	Approximate Sample 914g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP235_0-0.1	22-Se0040708	Sep 14, 2022	Approximate Sample 928g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP145_0-0.1	22-Se0040709	Sep 14, 2022	Approximate Sample 708g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP136_0-0.1	22-Se0040710	Sep 14, 2022	Approximate Sample 526g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP115_0-0.1	22-Se0040711	Sep 14, 2022	Approximate Sample 527g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP114_0-0.1	22-Se0040712	Sep 14, 2022	Approximate Sample 744g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP199_0-0.1	22-Se0040713	Sep 14, 2022	Approximate Sample 1001g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP184_0-0.1	22-Se0040714	Sep 14, 2022	Approximate Sample 680g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP175_0-0.1	22-Se0040715	Sep 14, 2022	Approximate Sample 930g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP168_0-0.1	22-Se0040716	Sep 14, 2022	Approximate Sample 772g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP158_0-0.1	22-Se0040717	Sep 14, 2022	Approximate Sample 855g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP148_0-0.1	22-Se0040718	Sep 14, 2022	Approximate Sample 924g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP138_0-0.1	22-Se0040719	Sep 14, 2022	Approximate Sample 559g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP128_0-0.1	22-Se0040720	Sep 14, 2022	Approximate Sample 927g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP127_0-0.1	22-Se0040721	Sep 14, 2022	Approximate Sample 809g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP137_0-0.1	22-Se0040722	Sep 14, 2022	Approximate Sample 749g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP147_0-0.1	22-Se0040723	Sep 14, 2022	Approximate Sample 705g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP157_0-0.1	22-Se0040724	Sep 14, 2022	Approximate Sample 721g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP167_0-0.1	22-Se0040725	Sep 14, 2022	Approximate Sample 886g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP174_0-0.1	22-Se0040726	Sep 14, 2022	Approximate Sample 746g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP183_0-0.1	22-Se0040727	Sep 14, 2022	Approximate Sample 582g Sample consisted of: Brown fine-grained clayey soil, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP198_0-0.1	22-Se0040728	Sep 14, 2022	Approximate Sample 659g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP126_0-0.1	22-Se0040729	Sep 14, 2022	Approximate Sample 663g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP103_0-0.1	22-Se0040730	Sep 14, 2022	Approximate Sample 587g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP103_0.4-0.5	22-Se0040731	Sep 14, 2022	Approximate Sample 643g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP090_0-0.1	22-Se0040732	Sep 14, 2022	Approximate Sample 525g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP075_0-0.1	22-Se0040733	Sep 14, 2022	Approximate Sample 500g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220914_QC01ST	22-Se0040734	Sep 14, 2022	Approximate Sample 949g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220914_QC02ST	22-Se0040735	Sep 14, 2022	Approximate Sample 510g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP236_0-0.1	22-Se0040736	Sep 14, 2022	Approximate Sample 632g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP211_0-0.1	22-Se0040737	Sep 14, 2022	Approximate Sample 576g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FRAG_TP183	22-Se0040738	Sep 14, 2022	Approximate Sample 58g / 70x55x10mm Sample consisted of: Grey fibre cement material	Chrysotile and amosite asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP125_0-0.1	22-Se0040764	Sep 14, 2022	Approximate Sample 428g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	ACM: Chrysotile, amosite and crocidolite asbestos detected in fibre cement fragments. Approximate raw weight of ACM = 9.9g Total estimated asbestos content in ACM = 0.99g* Total estimated asbestos concentration in ACM = 0.23% w/w* Organic fibre detected. No trace asbestos detected.

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Sep 19, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 19, 2022	Indefinite

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
External Laboratory																									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																				
1	TP060_0-0.1	Sep 14, 2022		Soil	S22-Se0040690	X								X	X				X		X	X		X	
2	TP060_1-1.1	Sep 14, 2022		Soil	S22-Se0040691			X			X	X	X										X	X		X
3	TP060_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040692			X			X	X	X										X	X		X
4	TP045_0-0.1	Sep 14, 2022		Soil	S22-Se0040693	X													X				X			
5	TP031_0-0.1	Sep 14, 2022		Soil	S22-Se0040694	X								X	X		X		X		X		X		X	
6	TP018_0-0.1	Sep 14, 2022		Soil	S22-Se0040695	X								X	X		X		X		X		X		X	
7	TP006_0-0.1	Sep 14, 2022		Soil	S22-Se0040696	X													X				X			
8	TP019_0-0.1	Sep 14, 2022		Soil	S22-Se0040697	X		X			X	X	X	X					X				X	X	X	X
9	TP019_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040698			X			X	X	X										X	X		X
10	TP032_0-0.1	Sep 14, 2022		Soil	S22-Se0040699	X								X					X		X		X		X	
11	TP046_0-0.1	Sep 14, 2022		Soil	S22-Se0040700	X									X	X		X	X				X			
12	TP061_0-0.1	Sep 14, 2022		Soil	S22-Se0040701	X								X	X	X	X	X	X		X		X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
13	TP234_0-0.1	Sep 14, 2022		Soil	S22-Se0040702	X													X			X			
14	TP076_0-0.1	Sep 14, 2022		Soil	S22-Se0040703	X			X					X	X	X	X	X	X	X	X	X		X	
15	TP091_0-0.1	Sep 14, 2022		Soil	S22-Se0040704	X			X					X	X	X	X	X	X	X	X	X		X	
16	TP091_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040705	X			X					X	X	X	X	X	X	X	X	X		X	
17	TP091_0.6-0.7	Sep 14, 2022		Soil	S22-Se0040706														X			X			
18	TP092_0-0.1	Sep 14, 2022		Soil	S22-Se0040707	X									X	X		X	X			X			
19	TP235_0-0.1	Sep 14, 2022		Soil	S22-Se0040708	X								X					X		X	X		X	
20	TP145_0-0.1	Sep 14, 2022		Soil	S22-Se0040709	X									X		X		X			X			
21	TP136_0-0.1	Sep 14, 2022		Soil	S22-Se0040710	X								X					X			X		X	
22	TP115_0-0.1	Sep 14, 2022		Soil	S22-Se0040711	X								X					X		X	X		X	
23	TP114_0-0.1	Sep 14, 2022		Soil	S22-Se0040712	X			X					X	X	X	X	X	X	X	X	X		X	
24	TP199_0-0.1	Sep 14, 2022		Soil	S22-Se0040713	X													X			X			
25	TP184_0-0.1	Sep 14, 2022		Soil	S22-Se0040714	X								X	X		X		X		X	X		X	
26	TP175_0-0.1	Sep 14, 2022		Soil	S22-Se0040715	X			X					X	X	X	X	X	X	X	X	X		X	
27	TP168_0-0.1	Sep 14, 2022		Soil	S22-Se0040716	X								X	X	X	X	X	X		X	X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
28	TP158_0-0.1	Sep 14, 2022		Soil	S22-Se0040717	X								X	X	X	X	X	X		X	X		X	
29	TP148_0-0.1	Sep 14, 2022		Soil	S22-Se0040718	X			X					X	X	X	X	X	X	X	X	X		X	
30	TP138_0-0.1	Sep 14, 2022		Soil	S22-Se0040719	X								X	X		X		X		X	X		X	
31	TP128_0-0.1	Sep 14, 2022		Soil	S22-Se0040720	X													X			X			
32	TP127_0-0.1	Sep 14, 2022		Soil	S22-Se0040721	X								X					X		X	X		X	
33	TP137_0-0.1	Sep 14, 2022		Soil	S22-Se0040722	X													X			X			
34	TP147_0-0.1	Sep 14, 2022		Soil	S22-Se0040723	X								X	X	X	X	X	X		X	X		X	
35	TP157_0-0.1	Sep 14, 2022		Soil	S22-Se0040724	X								X	X	X	X	X	X		X	X		X	
36	TP167_0-0.1	Sep 14, 2022		Soil	S22-Se0040725	X								X					X			X		X	
37	TP174_0-0.1	Sep 14, 2022		Soil	S22-Se0040726	X								X	X	X	X	X	X		X	X		X	
38	TP183_0-0.1	Sep 14, 2022		Soil	S22-Se0040727	X													X			X			
39	TP198_0-0.1	Sep 14, 2022		Soil	S22-Se0040728	X								X					X		X	X		X	
40	TP126_0-0.1	Sep 14, 2022		Soil	S22-Se0040729	X													X			X			
41	TP103_0-0.1	Sep 14, 2022		Soil	S22-Se0040730	X								X	X		X		X		X	X		X	
42	TP103_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040731	X								X	X		X		X		X	X		X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
43	TP090_0-0.1	Sep 14, 2022		Soil	S22-Se0040732	X													X			X			
44	TP075_0-0.1	Sep 14, 2022		Soil	S22-Se0040733	X													X			X			
45	20220914_QC 01ST	Sep 14, 2022		Soil	S22-Se0040734	X													X			X			
46	20220914_QC 02ST	Sep 14, 2022		Soil	S22-Se0040735	X								X	X		X		X		X	X		X	
47	TP236_0-0.1	Sep 14, 2022		Soil	S22-Se0040736	X								X	X		X		X		X	X		X	
48	TP211_0-0.1	Sep 14, 2022		Soil	S22-Se0040737	X									X		X		X			X			
49	FRAG_TP183	Sep 14, 2022		Building Materials	S22-Se0040738		X																		
50	TP060_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040739					X															
51	TP060_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040740					X															
52	TP045_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040741					X															
53	TP045_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040742					X															
54	TP031_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040743					X															
55	TP031_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040744					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
56	TP018_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040745					X															
57	TP006_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040746					X															
58	TP019_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040747					X															
59	TP019_1-1.1	Sep 14, 2022		Soil	S22-Se0040748					X															
60	TP019_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040749					X															
61	TP032_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040750					X															
62	TP046_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040751					X															
63	TP061_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040752					X															
64	TP234_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040753					X															
65	TP234_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040754					X															
66	TP034_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040755					X															
67	TP076_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040756					X															
68	TP092_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040757					X															
69	TP092_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040758					X															
70	TP235_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040759					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
71	TP145_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040760					X															
72	TP136_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040761					X															
73	TP136_0.65-0.75	Sep 14, 2022		Soil	S22-Se0040762					X															
74	TP115_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040763					X															
75	TP125_0-0.1	Sep 14, 2022		Soil	S22-Se0040764	X								X	X		X		X		X	X		X	
76	TP125_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040765					X															
77	TP125_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040766					X															
78	TP125_1-1.1	Sep 14, 2022		Soil	S22-Se0040767					X															
79	TP125_1.5-1.6	Sep 14, 2022		Soil	S22-Se0040768					X															
80	TP125_2-2.1	Sep 14, 2022		Soil	S22-Se0040769					X															
81	TP125_2.5-2.6	Sep 14, 2022		Soil	S22-Se0040770					X															
82	TP114_0.2-0.3	Sep 14, 2022		Soil	S22-Se0040771					X															
83	TP114_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040772					X															
84	TP199_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040773					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
85	TP184_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040774					X															
86	TP175_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040775					X															
87	TP168_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040776					X															
88	TP158_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040777					X															
89	TP148_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040778					X															
90	TP138_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040779					X															
91	TP128_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040780					X															
92	TP127_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040781					X															
93	TP137_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040782					X															
94	TP147_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040783					X															
95	TP157_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040784					X															
96	TP167_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040785					X															
97	TP167_0.5-0.6	Sep 14, 2022		Soil	S22-Se0040786					X															
98	TP167_1-1.1	Sep 14, 2022		Soil	S22-Se0040787					X															
99	TP167_2-2.1	Sep 14, 2022		Soil	S22-Se0040788					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
100	TP167_2.9-3	Sep 14, 2022		Soil	S22-Se0040789					X															
101	TP174_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040790					X															
102	TP183_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040791					X															
103	TP198_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040792					X															
104	TRIP SPIKE	Sep 14, 2022		Water	S22-Se0040793					X															
105	TRIP BLANK	Sep 14, 2022		Water	S22-Se0040794					X															
106	TP126_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040795					X															
107	TP103_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040796					X															
108	TP090_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040797					X															
109	TP090_0.4-0.5	Sep 14, 2022		Soil	S22-Se0040798					X															
110	TP075_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040799					X															
111	TP236_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040800					X															
112	TP211_0.3-0.4	Sep 14, 2022		Soil	S22-Se0040801					X															
113	20220914_QC 01LW	Sep 14, 2022		Soil	S22-Se0040802					X															

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924697
Phone: 02 8245 0300
Fax:

Received: Sep 15, 2022 4:09 AM
Due: Sep 26, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - WA guidelines	Asbestos Absence /Presence	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X		X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
114	20220914_QC 02LW	Sep 14, 2022		Soil	S22-Se0040803					X															
Test Counts						45	1	4	6	64	4	4	4	30	26	14	23	14	46	6	27	49	4	30	4

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

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

Calculations

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

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

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

Terms

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

Comments

22-Se0040704 and 22-Se0040764: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

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

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

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

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

pg 1 of 6

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: ST, LH
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:
Note: Assume bag samples in ASS bags to be in asbestos bags

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos*	TRH/PAH	BTEX	VOC	PCB	OCP	OPP acid herbicides	Cyanide & phenols	CEC, pH, % clay	Salinity EC	CEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP060_0.0-0.1	soil	14/09		Jar + Bag + Ice		X	X	X	X			X													*NEPC (2013)
_0.3-0.4				↓																					500ML Asbestos
_0.5-0.6				Jar + Ice																					
_1.0-1.1																X	X	X	X	X					
↓ _1.5-1.6				↓												X	X	X	X	X					
TP045_0.0-0.1				Jar + Bag + Ice		X	X																		
_0.3-0.4				↓																					
↓ _0.4-0.5				Jar + Ice																					
TP031_0.0-0.1				Jar + Bag + Ice		X	X	X	X		X	X													
_0.3-0.4				↓																					
↓ _0.5-0.6				Jar + Ice																					
TP018_0.0-0.1				Jar + Bag + Ice		X	X	X	X		X	X													
↓ _0.3-0.4				Jar + Ice																					
TP006_0.0-0.1				Jar + Bag + Ice		X	X																		
↓ _0.3-0.4				Jar + Ice																					
TP019_0.0-0.1				Jar + Bag + Ice		X	X	X								X	X	X	X	X					
_0.3-0.4				Jar + Ice												X	X	X	X	X					
_0.5-0.6																									
↓ _1.0-1.1	↓	↓		↓																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME: Lisa Zulic	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: 16/9/22 4:45pm	COOLER TEMP 0.9 deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

924697

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~; (4) stran@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:
Note: Assume bag samples in ASS bags to be in asbestos bags

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & phenols	CEC, pH, 7 day	Salinity EC	CEC	ESP	PH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES.
TP019_1.5-1.6	soil	14/09		Jar + ice																					
TP032_0.0-0.1				Jar + Bag + ice		X	X	X	X																
↓ -0.3-0.4				Jar + ice																					
TP046_0.0-0.1				Jar + Bag + ice		X	X					X	X												
↓ -0.4-0.5				Jar + ice																					
TP061_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X												
| -0.3-0.4				↓																					
↓ -0.4-0.5				Jar + ice																					
TP234_0.0-0.1				Jar + Bag + ice		X	X																		
| -0.3-0.4				↓																					
↓ -0.5-0.6				Jar + ice																					
TP076_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X	X											
↓ -0.3-0.4				Jar + ice																					
TP091_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X	X											
| -0.3-0.4				↓		X	X	X	X		X	X	X	X											
↓ -0.6-0.7				Jar + ice		X																			
TP092_0.0-0.1				Jar + Bag + ice		X	X					X	X												
| -0.3-0.4				↓																					
↓ -0.5-0.6	↓	↓		Jar + ice																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343

PROJECT NAME: Guntawong Rd DSI

DATE NEEDED BY: Standard TAT

LABORATORY BATCH NO.:

SAMPLERS: ST, LH

QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

Note: Assume bag sample (TP235_0.0-0.1) in ASS bag to be in asbestos bag

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicide	cyanide & phenols	CEC, pH, % clay	Salinity / EC	CEC	ESP	pH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP235_0.0-0.1	SOIL	14/09		Jar + Bag + ice		X	X	X	X																
↓ _0.3-0.4				Jar + ice																					
TP145_0.0-0.1				Jar + Bag + ice		X	X				X	X													
↓ _0.4-0.5				Jar + ice																					
TP136_0.0-0.1				Jar + Bag + ice		X	X	X																	
_0.3-0.4				↓																					
↓ _0.65-0.75				Jar + ice																					
TP115_0.0-0.1				Jar + Bag + ice		X	X	X	X																
↓ _0.4-0.5				Jar + ice																					
TP125_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X													
_0.3-0.4				↓																					
_0.5-0.6				Jar + ice																					
_1.0-1.1																									
_1.5-1.6																									
2.0-2.1																									
↓ _2.5-2.6				↓																					
TP114_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X	X	X											
_0.2-0.3				Jar + ice																					
↓ _0.3-0.4	↓	↓		↓																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena Tran DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

1/3

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawang Rd DSI	SAMPLERS: DR
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

Please log samples labelled as _0.5-0.6 as 0.3-0.4 as per COC, excluding TP167_0.5-0.6

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, %clay	Salinity/EC	CEC	ESP	PH	Sulfate & chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP199_0-0.1	Soil	14/09/22		Jar + Bag + ICE		X	X																		
TP199_0.3-0.4				J + I																					
TP184_0-0.1				J + B + I		X	X	X	X		X	X													
TP184_0.3-0.4				J + I																					
TP175_0-0.1				J + B + I		X	X	X	X		X	X	X	X											
TP175_0.3-0.4				J + I																					
TP168_0-0.1				J + B + I		X	X	X	X		X	X	X												
TP168_0.3-0.4				J + I																					
TP158_0-0.1				J + B + I		X	X	X	X		X	X	X												
TP158_0.3-0.4				J + I																					
TP148_0-0.1				J + B + I		X	X	X	X		X	X	X	X											
TP148_0.3-0.4				J + I																					
TP138_0-0.1				J + B + I		X	X	X			X	X													
TP138_0.3-0.4				J + I																					
TP128_0-0.1				J + B + I		X	X																		
TP128_0.3-0.4				J + I																					
TP127_0-0.1				J + B + I		X	X	X	X																
TP127_0.3-0.4				J + I																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

2/3

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Cuntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: DR
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7133
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

Please see note on page ~~#3~~ 4 of 6

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & phenols	CEC, pH, % clay	Salinity/EC	CEC	ESP	PH	Sulfate & chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP137_0-0.1	SOIL	14/09/22		Jar + Bag + ICE		X	X																
TP137_0.3-0.4				Jar + ICE																			
TP147_0-0.1				J + B + I		X	X	X	X		X	X	X										
TP147_0.3-0.4				J + I																			
TP157_0-0.1				J + B + I		X	X	X	X		X	X	X										
TP157_0.3-0.4				J + I																			
TP167_0-0.1				J + B + I		X	X	X															
TP167_0.3-0.4				J + B + I																			
TP167_0.5-0.6				J + B + I																			
TP167_1-1.1				J + I																			
TP167_2-2.1				J + B + I																			
TP167_2.9-3.0				J + B + I																			
TP174_0-0.1				J + B + I		X	X	X	X		X	X	X										
TP174_0.3-0.4				J + I																			
TP183_0-0.1				J + B + I		X	X																
TP183_0.3-0.4				J + I																			
TP198_0-0.1				J + B + I		X	X	X	X														
TP198_0.3-0.4				J + I																			
TS/TB	water			vials + ice																			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Guntawong Rd DSI	SAMPLERS: ST, LH
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

Please log samples labelled as TP236_0.5-0.6 and TP211_0.5-0.6 as TP236_0.3-0.4 and TP211_0.3-0.4

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid Herbicides	Cyanide & Phenols	CEC, PH, % clay	Salinity / EC	CEC	ESP	PH	Sulfate & Chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP126_0.0-0.1	SOIL	14/09		Jar + Bag ice		X	X																		
↓ _0.3-0.4				Jar ice																					
TP103_0.0-0.1				Jar + Bag ice		X	X	X	X		X	X													
_0.3-0.4				↓																					
↓ _0.4-0.5				Jar ice		X	X	X	X		X	X													
TP090_0.0-0.1				Jar + Bag ice		X	X																		
_0.3-0.4				↓																					
↓ _0.4-0.5				Jar ice																					
TP075_0.0-0.1				Jar + Bag ice		X	X																		
↓ _0.3-0.4				Jar ice																					
20220914_QC01ST				Jar + Bag ice		X	X																		
20220914_QC02ST	↓	↓		↓		X	X	X	X		X	X													
TP236_0.0-0.1				Jar + Bag ice		X	X	X	X		X	X													
↓ _0.3-0.4				Jar ice																					
TP211_0.0-0.1				Jar + Bag ice		X	X				X	X													
↓ _0.3-0.4				Jar ice																					
20220914_QC01LW				Jar + Bag ice																					
20220914_QC02LW	↓	↓		↓																					
FRAG_TP183	Material	↓		Bag			X																X		

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G tran	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Envirolab

Chain of Custody

JBS&G

PROJECT NO.: 62343

PROJECT NAME: Guntawong Rd DSI

DATE NEEDED BY: Standard TAT

LABORATORY BATCH NO.:

SAMPLERS: ST, LH

QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7733

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity / EC	CEC	ESP	pH	Sulfate & Chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
20220914_QA01ST	Soil	14/09		Jar + Bag + Ice		X	X																		
20220914_QA02ST	"	"		"		X	X	X	X		X	X													
20220914_QA01LN	"	"		"																					
20220914_QA02LN	"	"		"																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 14/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

eurofins | Environment Testing

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

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG RD DSI
Project ID:	62343
Turnaround time:	5 Day
Date/Time received	Sep 15, 2022 4:09 AM
Eurofins reference	924697

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : .9 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✓	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Samples 20220914_QA01ST, 20220914_QA02ST, 20220914_QA01LW, and 20220914_QA02LW forwarded to Enviro lab. TP115_0.0.1 and TP115_0.4-0.5 received as TP150_0.0-0.1 and TP150_0.4-0.5, No bags received for TP031_0.3-0.4, 2bags received for TP061_0.3-0.4,

Contact

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

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

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Sahani Gunatunge**

Report **924719-S**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 16, 2022

Client Sample ID			**TP073_0.0-0.1**	**TP073_0.3-0.4**	**TP058_0.0-0.1**	**TP059_0.0-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Se0040879**	**S22-Se0040880**	**S22-Se0040881**	**S22-Se0040882**
Date Sampled			**Sep 15, 2022**	**Sep 15, 2022**	**Sep 15, 2022**	**Sep 15, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
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	%	78	-	-	-
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	-	-

Client Sample ID			TP073_0.0-0.1	TP073_0.3-0.4	TP058_0.0-0.1	TP059_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040879	S22-Se0040880	S22-Se0040881	S22-Se0040882
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	99	97	-	-
p-Terphenyl-d14 (surr.)	1	%	76	77	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	104	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	89	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	104	86	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	89	-	-

Client Sample ID			TP073_0.0-0.1	TP073_0.3-0.4	TP058_0.0-0.1	TP059_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040879	S22-Se0040880	S22-Se0040881	S22-Se0040882
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	8.9	12	12	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	20	26	22
Copper	5	mg/kg	8.6	24	34	17
Lead	5	mg/kg	18	19	59	22
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.2	10	9.7	9.3
Zinc	5	mg/kg	18	50	130	35
% Moisture	1	%	20	21	35	19

Client Sample ID			TP074_0.0-0.1	TP089_0.0-0.1	TP102_0.3-0.4	TP113_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040883	S22-Se0040884	S22-Se0040885	S22-Se0040886
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
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	< 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	%	-	59	60	-
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	-	-

Client Sample ID			TP074_0.0-0.1	TP089_0.0-0.1	TP102_0.3-0.4	TP113_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040883	S22-Se0040884	S22-Se0040885	S22-Se0040886
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	101	-	-
p-Terphenyl-d14 (surr.)	1	%	-	75	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	124	115	-
Tetrachloro-m-xylene (surr.)	1	%	-	87	81	-
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	-

Client Sample ID			TP074_0.0-0.1	TP089_0.0-0.1	TP102_0.3-0.4	TP113_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040883	S22-Se0040884	S22-Se0040885	S22-Se0040886
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	124	115	-
Tetrachloro-m-xylene (surr.)	1	%	-	87	81	-
Heavy Metals						
Arsenic	2	mg/kg	13	3.6	14	10
Cadmium	0.4	mg/kg	< 0.4	0.7	13	4.1
Chromium	5	mg/kg	27	36	29	45
Copper	5	mg/kg	14	25	19	42
Lead	5	mg/kg	25	100	33	130
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.6	46	10	44
Zinc	5	mg/kg	26	110	33	50
% Moisture	1	%	17	25	16	23
Cyanide (total)	1	mg/kg	-	< 1	< 1	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	-	< 2	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	-
EPN	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	-	< 2	< 2	-
Naled	0.2	mg/kg	-	< 0.2	< 0.2	-
Omethoate	2	mg/kg	-	< 2	< 2	-
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	-
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	-

Client Sample ID			TP074_0.0-0.1	TP089_0.0-0.1	TP102_0.3-0.4	TP113_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040883	S22-Se0040884	S22-Se0040885	S22-Se0040886
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	106	122	-
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	%	-	108	105	-
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	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	%	-	116	127	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	< 20	-

Client Sample ID			TP123_0.0-0.1	TP123_0.4-0.5	TP112_0.0-0.1	TP101_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040887	S22-Se0040888	S22-Se0040889	S22-Se0040890
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	56	61	-	-
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	96	-	-
p-Terphenyl-d14 (surr.)	1	%	63	77	-	-
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	-	-

Client Sample ID			TP123_0.0-0.1	TP123_0.4-0.5	TP112_0.0-0.1	TP101_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040887	S22-Se0040888	S22-Se0040889	S22-Se0040890
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	80	89	-	-
Tetrachloro-m-xylene (surr.)	1	%	67	85	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	80	89	-	-
Tetrachloro-m-xylene (surr.)	1	%	67	85	-	-
Heavy Metals						
Arsenic	2	mg/kg	9.6	12	12	9.9
Cadmium	0.4	mg/kg	5.6	5.3	1.9	11
Chromium	5	mg/kg	19	20	29	22
Copper	5	mg/kg	14	18	7.5	43
Lead	5	mg/kg	250	20	23	93
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.9	8.1	5.5	9.6
Zinc	5	mg/kg	34	36	19	210
% Moisture	1	%	21	21	21	31

Client Sample ID			TP088_0.0-0.1	TP088_0.5-0.6	TP044_0.0-0.1	TP044_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040891	S22-Se0040892	S22-Se0040893	S22-Se0040894
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	55	-	60	87
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	100	-	100	100
p-Terphenyl-d14 (surr.)	1	%	75	-	69	69
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05

Client Sample ID			TP088_0.0-0.1	TP088_0.5-0.6	TP044_0.0-0.1	TP044_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040891	S22-Se0040892	S22-Se0040893	S22-Se0040894
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	88	-	90	87
Tetrachloro-m-xylene (surr.)	1	%	68	-	78	75
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	88	-	90	87
Tetrachloro-m-xylene (surr.)	1	%	68	-	78	75
Heavy Metals						
Arsenic	2	mg/kg	7.1	-	12	13
Cadmium	0.4	mg/kg	0.9	-	< 0.4	< 0.4
Chromium	5	mg/kg	17	-	24	23
Copper	5	mg/kg	19	-	11	28
Lead	5	mg/kg	200	-	25	20
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	8.1	-	8.1	18
Zinc	5	mg/kg	51	-	23	68
% Moisture	1	%	28	28	21	19
Chloride	10	mg/kg	-	19	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	14	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	6.2	-	-
Salinity (determined from EC)*	20	mg/kg	-	< 20	-	-

Client Sample ID			TP088_0.0-0.1	TP088_0.5-0.6	TP044_0.0-0.1	TP044_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040891	S22-Se0040892	S22-Se0040893	S22-Se0040894
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Sulphate (as SO4)	10	mg/kg	-	31	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	-	4.2	-	-
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	-	-	-
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	%	103	-	-	-
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	-	-	-

Client Sample ID			TP088_0.0-0.1	TP088_0.5-0.6	TP044_0.0-0.1	TP044_0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040891	S22-Se0040892	S22-Se0040893	S22-Se0040894
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Acid Herbicides						
MCPB	0.5	mg/kg	< 0.5	-	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-	-
Warfarin (surr.)	1	%	124	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	15	-	-

Client Sample ID			TP124_0.0-0.1	TP134_0.0-0.1	TP133_0.0-0.1	TP133_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040895	S22-Se0040896	S22-Se0040897	S22-Se0040898
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	64	62
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

Client Sample ID			TP124_0.0-0.1	TP134_0.0-0.1	TP133_0.0-0.1	TP133_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040895	S22-Se0040896	S22-Se0040897	S22-Se0040898
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	103	[Q09]INT
p-Terphenyl-d14 (surr.)	1	%	-	-	67	147
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	[Q09]INT	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	-	81	[Q09]INT
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
Dibutylchlorendate (surr.)	1	%	-	-	[Q09]INT	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	-	-	81	[Q09]INT

Client Sample ID			TP124_0.0-0.1	TP134_0.0-0.1	TP133_0.0-0.1	TP133_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040895	S22-Se0040896	S22-Se0040897	S22-Se0040898
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	13	7.7	7.8	14
Cadmium	0.4	mg/kg	2.8	15	0.8	< 0.4
Chromium	5	mg/kg	15	16	17	24
Copper	5	mg/kg	64	16	10	15
Lead	5	mg/kg	3100	700	160	23
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.3	14	7.3	9.1
Zinc	5	mg/kg	23	70	24	38
% Moisture	1	%	33	26	19	15

Client Sample ID			TP135_0.0-0.1	TP144_0.0-0.1	SP06-01	SP06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040899	S22-Se0040900	S22-Se0040901	S22-Se0040902
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	101	87
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

Client Sample ID			TP135_0.0-0.1	TP144_0.0-0.1	SP06-01	SP06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040899	S22-Se0040900	S22-Se0040901	S22-Se0040902
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	96	115
p-Terphenyl-d14 (surr.)	1	%	-	-	78	124
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	106	121
Tetrachloro-m-xylene (surr.)	1	%	-	-	76	125
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

Client Sample ID			TP135_0.0-0.1	TP144_0.0-0.1	SP06-01	SP06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040899	S22-Se0040900	S22-Se0040901	S22-Se0040902
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	106	121
Tetrachloro-m-xylene (surr.)	1	%	-	-	76	125
Heavy Metals						
Arsenic	2	mg/kg	8.2	8.0	17	40
Cadmium	0.4	mg/kg	0.4	< 0.4	< 0.4	0.5
Chromium	5	mg/kg	16	16	26	48
Copper	5	mg/kg	20	9.3	17	32
Lead	5	mg/kg	170	35	35	47
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	9.6	7.0	24
Zinc	5	mg/kg	79	23	100	120
% Moisture	1	%	28	21	20	27
Cyanide (total)	1	mg/kg	-	-	< 1	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
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

Client Sample ID			TP135_0.0-0.1	TP144_0.0-0.1	SP06-01	SP06-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040899	S22-Se0040900	S22-Se0040901	S22-Se0040902
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	-	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	121	113
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2.4.5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.4.6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2.6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	130	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			SP06-03	SP06-04	SP06-05	SP06-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040903	S22-Se0040904	S22-Se0040905	S22-Se0040906
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			SP06-03	SP06-04	SP06-05	SP06-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040903	S22-Se0040904	S22-Se0040905	S22-Se0040906
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	63	63	64	64
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	[Q09]INT	[Q09]INT	98	91
p-Terphenyl-d14 (surr.)	1	%	121	114	92	91
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	0.06	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			SP06-03	SP06-04	SP06-05	SP06-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040903	S22-Se0040904	S22-Se0040905	S22-Se0040906
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	0.06	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	[Q09]INT	[Q09]INT	96	89
Tetrachloro-m-xylene (surr.)	1	%	136	[Q09]INT	100	90
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	[Q09]INT	[Q09]INT	96	89
Tetrachloro-m-xylene (surr.)	1	%	136	[Q09]INT	100	90
Heavy Metals						
Arsenic	2	mg/kg	25	19	18	7.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	47	29	12	17
Copper	5	mg/kg	21	25	37	32
Lead	5	mg/kg	50	52	47	57
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	9.2	11	14
Zinc	5	mg/kg	140	140	130	100
% Moisture	1	%	21	23	20	22
Cyanide (total)	1	mg/kg	-	-	-	< 1
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SP06-03	SP06-04	SP06-05	SP06-06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040903	S22-Se0040904	S22-Se0040905	S22-Se0040906
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	[Q09]INT	[Q09]INT	89	76
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.4.6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2.6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	89
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20

Client Sample ID			SP06-07	SP06-08	SP06-09	SP06-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040907	S22-Se0040908	S22-Se0040909	S22-Se0040910
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	75	76	74	71
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	90	89	91	88
p-Terphenyl-d14 (surr.)	1	%	82	84	82	76
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			SP06-07	SP06-08	SP06-09	SP06-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040907	S22-Se0040908	S22-Se0040909	S22-Se0040910
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	96	92	91	70
Tetrachloro-m-xylene (surr.)	1	%	91	90	91	90
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	96	92	91	70
Tetrachloro-m-xylene (surr.)	1	%	91	90	91	90
Heavy Metals						
Arsenic	2	mg/kg	13	18	10	6.9
Cadmium	0.4	mg/kg	5.2	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	24	12	14
Copper	5	mg/kg	40	37	32	22
Lead	5	mg/kg	5600	100	20	45
Mercury	0.1	mg/kg	< 0.1	0.1	< 0.1	< 0.1
Nickel	5	mg/kg	10	13	8.0	8.8
Zinc	5	mg/kg	82	160	77	93
% Moisture	1	%	19	23	22	18
Cyanide (total)	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			SP06-07	SP06-08	SP06-09	SP06-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040907	S22-Se0040908	S22-Se0040909	S22-Se0040910
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	87	85	88	72
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4.6-Trichlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1	< 1	< 1	< 1
Pentachlorophenol	1	mg/kg	< 1	< 1	< 1	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10	< 10	< 10	< 10
Total Halogenated Phenol*	1	mg/kg	< 1	< 1	< 1	< 1

Client Sample ID			SP06-07	SP06-08	SP06-09	SP06-10
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040907	S22-Se0040908	S22-Se0040909	S22-Se0040910
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	< 20	< 20	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Nitrophenol	1	mg/kg	< 1	< 1	< 1	< 1
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-Dinitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Total cresols*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Nitrophenol	5	mg/kg	< 5	< 5	< 5	< 5
Dinoseb	20	mg/kg	< 20	< 20	< 20	< 20
Phenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol-d6 (surr.)	1	%	93	90	91	88
Total Non-Halogenated Phenol*	20	mg/kg	< 20	< 20	< 20	< 20

Client Sample ID			SP04-01	SP04-02	SP04-03	SP03-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040911	S22-Se0040912	S22-Se0040913	S22-Se0040914
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 100	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 250	56	74	< 50
TRH C29-C36	50	mg/kg	< 250	87	87	< 50
TRH C10-C36 (Total)	50	mg/kg	< 250	143	161	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 250	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 250	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 500	100	120	< 100
TRH >C34-C40	100	mg/kg	< 500	< 100	110	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 500	100	230	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	101	99	71	83
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			SP04-01	SP04-02	SP04-03	SP03-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040911	S22-Se0040912	S22-Se0040913	S22-Se0040914
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	0.6	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	0.9	0.7	0.8	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	1.0	0.6	0.8	< 0.5
Total PAH*	0.5	mg/kg	2.5	1.3	1.6	< 0.5
2-Fluorobiphenyl (surr.)	1	%	96	95	92	90
p-Terphenyl-d14 (surr.)	1	%	87	82	82	82
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	0.20	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	0.09	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	0.2	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.29	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	54	92	84	95
Tetrachloro-m-xylene (surr.)	1	%	97	97	91	91
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			SP04-01	SP04-02	SP04-03	SP03-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040911	S22-Se0040912	S22-Se0040913	S22-Se0040914
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	54	92	84	95
Tetrachloro-m-xylene (surr.)	1	%	97	97	91	91
Heavy Metals						
Arsenic	2	mg/kg	5.5	3.7	4.8	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	14	17	27
Copper	5	mg/kg	29	14	24	27
Lead	5	mg/kg	31	34	29	51
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.6	6.7	9.4	8.7
Zinc	5	mg/kg	68	82	67	45
% Moisture	1	%	14	11	11	19
Cyanide (total)	1	mg/kg	< 1	-	-	< 1
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SP04-01	SP04-02	SP04-03	SP03-01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040911	S22-Se0040912	S22-Se0040913	S22-Se0040914
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	77	83	76	86
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	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	0.4	-	-	< 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	%	93	-	-	91
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-	< 20

Client Sample ID			SP03-02	SP03-03	SP03-04	SP03-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040915	S22-Se0040916	S22-Se0040917	S22-Se0040918
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			SP03-02	SP03-03	SP03-04	SP03-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040915	S22-Se0040916	S22-Se0040917	S22-Se0040918
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	73	74	80	64
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	89	89	96	88
p-Terphenyl-d14 (surr.)	1	%	80	84	80	78
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			SP03-02	SP03-03	SP03-04	SP03-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040915	S22-Se0040916	S22-Se0040917	S22-Se0040918
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	81	81	84
Tetrachloro-m-xylene (surr.)	1	%	91	90	95	87
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	81	81	84
Tetrachloro-m-xylene (surr.)	1	%	91	90	95	87
Heavy Metals						
Arsenic	2	mg/kg	17	19	11	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	27	30	20	18
Copper	5	mg/kg	31	39	22	18
Lead	5	mg/kg	53	57	47	38
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.4	20	12	5.0
Zinc	5	mg/kg	160	180	82	96
% Moisture	1	%	19	21	12	19
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SP03-02	SP03-03	SP03-04	SP03-05
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040915	S22-Se0040916	S22-Se0040917	S22-Se0040918
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	83	81	76	81

Client Sample ID			SP03-06	SP02-01	SP02-02	SP02-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040919	S22-Se0040920	S22-Se0040921	S22-Se0040922
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	63
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	113
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	67	107	103	79

Client Sample ID			SP03-06	SP02-01	SP02-02	SP02-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040919	S22-Se0040920	S22-Se0040921	S22-Se0040922
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	103	98	96	96
p-Terphenyl-d14 (surr.)	1	%	81	66	64	63
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	122	92	94	95
Tetrachloro-m-xylene (surr.)	1	%	110	69	70	70

Client Sample ID			SP03-06	SP02-01	SP02-02	SP02-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040919	S22-Se0040920	S22-Se0040921	S22-Se0040922
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	122	92	94	95
Tetrachloro-m-xylene (surr.)	1	%	110	69	70	70
Heavy Metals						
Arsenic	2	mg/kg	12	9.2	17	16
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	19	26	28
Copper	5	mg/kg	21	21	21	25
Lead	5	mg/kg	60	35	37	99
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	11	15	15
Zinc	5	mg/kg	22	48	73	780
% Moisture	1	%	25	18	18	12
Cyanide (total)	1	mg/kg	-	< 1	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2

Client Sample ID			SP03-06	SP02-01	SP02-02	SP02-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040919	S22-Se0040920	S22-Se0040921	S22-Se0040922
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	86	75	74	78
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1	mg/kg	-	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	137	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-

Client Sample ID			SP01-01	SP01-02	TP225_0.0-0.1	TP225_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040923	S22-Se0040924	S22-Se0040925	S22-Se0040926
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-

Client Sample ID			SP01-01	SP01-02	TP225_0.0-0.1	TP225_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040923	S22-Se0040924	S22-Se0040925	S22-Se0040926
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	75	93	58	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	101	109	107	-
p-Terphenyl-d14 (surr.)	1	%	68	97	100	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-

Client Sample ID			SP01-01	SP01-02	TP225_0.0-0.1	TP225_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040923	S22-Se0040924	S22-Se0040925	S22-Se0040926
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	92	108	97	-
Tetrachloro-m-xylene (surr.)	1	%	75	110	101	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	92	108	97	-
Tetrachloro-m-xylene (surr.)	1	%	75	110	101	-
Heavy Metals						
Arsenic	2	mg/kg	15	16	12	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	26	33	31	-
Copper	5	mg/kg	14	15	8.2	-
Lead	5	mg/kg	38	42	31	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	12	7.6	5.7	-
Zinc	5	mg/kg	79	74	19	-
% Moisture	1	%	19	17	19	19
Cyanide (total)	1	mg/kg	< 1	-	-	-
Chloride	10	mg/kg	-	-	-	360
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	230
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	7.5
Salinity (determined from EC)*	20	mg/kg	-	-	-	110
Sulphate (as SO4)	10	mg/kg	-	-	-	53
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	-	35
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	-	-

Client Sample ID			SP01-01	SP01-02	TP225_0.0-0.1	TP225_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040923	S22-Se0040924	S22-Se0040925	S22-Se0040926
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	-
Coumaphos	2	mg/kg	< 2	< 2	-	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	-	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	-	-
Diazinon	0.2	mg/kg	< 0.2	< 0.2	-	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	-	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	-	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	-	-
EPN	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethion	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	-	-
Fenthion	0.2	mg/kg	< 0.2	< 0.2	-	-
Malathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Merphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	-	-
Monocrotophos	2	mg/kg	< 2	< 2	-	-
Naled	0.2	mg/kg	< 0.2	< 0.2	-	-
Omethoate	2	mg/kg	< 2	< 2	-	-
Phorate	0.2	mg/kg	< 0.2	< 0.2	-	-
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	%	81	106	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	-	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	-	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-	-

Client Sample ID			SP01-01	SP01-02	TP225_0.0-0.1	TP225_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040923	S22-Se0040924	S22-Se0040925	S22-Se0040926
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
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	%	146	-	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	13

Client Sample ID			TP225_2.9-3.0	TP210_0.0-0.1	TP196_0.0-0.1	TP195_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040927	S22-Se0040928	S22-Se0040929	S22-Se0040930
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
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	-
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	%	-	-	89	-
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	-

Client Sample ID			TP225_2.9-3.0	TP210_0.0-0.1	TP196_0.0-0.1	TP195_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040927	S22-Se0040928	S22-Se0040929	S22-Se0040930
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	100	-
p-Terphenyl-d14 (surr.)	1	%	-	-	92	-
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	%	-	-	86	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	99	-
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	-
Dibutylchlorendate (surr.)	1	%	-	-	86	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	99	-

Client Sample ID			TP225_2.9-3.0	TP210_0.0-0.1	TP196_0.0-0.1	TP195_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040927	S22-Se0040928	S22-Se0040929	S22-Se0040930
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	13	16	9.6
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	23	29	17
Copper	5	mg/kg	-	6.4	6.8	7.3
Lead	5	mg/kg	-	20	34	17
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	< 5	< 5	< 5
Zinc	5	mg/kg	-	25	18	5.7
% Moisture	1	%	17	15	15	16
Chloride	10	mg/kg	380	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	120	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	8.2	-	-	-
Salinity (determined from EC)*	20	mg/kg	61	-	-	-
Sulphate (as SO4)	10	mg/kg	43	-	-	-
Exchangeable Sodium Percentage (ESP)	0.1	%	35	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	15	-	-	-

Client Sample ID			TP209_0.0-0.1	TP194_0.0-0.1	TP230_0.0-0.1	TP230_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040931	S22-Se0040932	S22-Se0040933	S22-Se0040934
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
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	%	-	68	-	-

Client Sample ID			TP209_0.0-0.1	TP194_0.0-0.1	TP230_0.0-0.1	TP230_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040931	S22-Se0040932	S22-Se0040933	S22-Se0040934
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
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	%	-	114	-	-
p-Terphenyl-d14 (surr.)	1	%	-	112	-	-
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	%	-	95	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	112	-	-

Client Sample ID			TP209_0.0-0.1	TP194_0.0-0.1	TP230_0.0-0.1	TP230_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040931	S22-Se0040932	S22-Se0040933	S22-Se0040934
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-	-
Dibutylchlorendate (surr.)	1	%	-	95	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	112	-	-
Heavy Metals						
Arsenic	2	mg/kg	8.9	9.8	6.3	8.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	1.3	< 0.4
Chromium	5	mg/kg	16	14	8.0	9.8
Copper	5	mg/kg	7.3	6.0	12	18
Lead	5	mg/kg	18	20	28	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	5.2	7.0
Zinc	5	mg/kg	5.6	< 5	25	20
% Moisture	1	%	20	18	29	17

Client Sample ID			TP226_0.0-0.1	TP233_0.0-0.1	TP232_0.0-0.1	TP231_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040935	S22-Se0040936	S22-Se0040937	S22-Se0040938
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
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	-
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	%	-	-	74	-

Client Sample ID			TP226_0.0-0.1	TP233_0.0-0.1	TP232_0.0-0.1	TP231_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040935	S22-Se0040936	S22-Se0040937	S22-Se0040938
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
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	%	-	-	97	-
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	%	-	-	95	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	105	-

Client Sample ID			TP226_0.0-0.1	TP233_0.0-0.1	TP232_0.0-0.1	TP231_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040935	S22-Se0040936	S22-Se0040937	S22-Se0040938
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
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	-
Dibutylchlorendate (surr.)	1	%	-	-	95	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	105	-
Heavy Metals						
Arsenic	2	mg/kg	13	11	9.3	8.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	30	24	13	12
Copper	5	mg/kg	9.3	7.7	8.2	9.1
Lead	5	mg/kg	26	23	21	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.5	5.3	6.3	< 5
Zinc	5	mg/kg	15	12	8.1	11
% Moisture	1	%	18	14	17	16

Client Sample ID			TP224_0.3-0.4	TP223_0.0-0.1	TP208_0.0-0.1	TP208_1.0-1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040939	S22-Se0040940	S22-Se0040941	S22-Se0040942
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	11	6.0	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	24	19	9.8	-
Copper	5	mg/kg	10	20	9.3	-
Lead	5	mg/kg	19	23	11	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	5.0	7.4	< 5	-
Zinc	5	mg/kg	14	14	5.7	-
% Moisture	1	%	17	16	18	16
Chloride	10	mg/kg	-	-	-	1600
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	270
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	6.4
Salinity (determined from EC)*	20	mg/kg	-	-	-	130
Sulphate (as SO4)	10	mg/kg	-	-	-	110
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	-	37
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	-	22

Client Sample ID			TP208_2.0-2.1	TP083_0.0-0.1	20220915_QC01LW	SP01-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040943	S22-Se0040944	S22-Se0040945	S22-Se0040946
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	62	97
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	%	-	-	108	108
p-Terphenyl-d14 (surr.)	1	%	-	-	99	94
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

Client Sample ID			TP208_2.0-2.1	TP083_0.0-0.1	20220915_QC01LW	SP01-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040943	S22-Se0040944	S22-Se0040945	S22-Se0040946
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	92	99
Tetrachloro-m-xylene (surr.)	1	%	-	-	114	107
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
Dibutylchlorendate (surr.)	1	%	-	-	92	99
Tetrachloro-m-xylene (surr.)	1	%	-	-	114	107
Heavy Metals						
Arsenic	2	mg/kg	-	11	11	7.2
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	20	33	12
Copper	5	mg/kg	-	14	15	41
Lead	5	mg/kg	-	19	22	17
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	7.5	15	20
Zinc	5	mg/kg	-	14	31	82
% Moisture	1	%	16	24	20	18
Chloride	10	mg/kg	1700	-	-	170
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	250	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	7.5	-	-	-
Salinity (determined from EC)*	20	mg/kg	120	-	-	-

Client Sample ID			TP208_2.0-2.1	TP083_0.0-0.1	20220915_QC01LW	SP01-03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0040943	S22-Se0040944	S22-Se0040945	S22-Se0040946
Date Sampled			Sep 15, 2022	Sep 15, 2022	Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit				
Sulphate (as SO4)	10	mg/kg	220	-	-	140
Exchangeable Sodium Percentage (ESP)	0.1	%	6.8	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	8.7	-	-	-

Client Sample ID			20220915_QC01ST	TP224_0.0-0.1
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Se0040947	S22-Se0040995
Date Sampled			Sep 15, 2022	Sep 15, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-
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	-
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	%	92	-
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	-

Client Sample ID			20220915_QC01ST	TP224_0.0-0.1
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Se0040947	S22-Se0040995
Date Sampled			Sep 15, 2022	Sep 15, 2022
Test/Reference	LOR	Unit		
Polycyclic Aromatic Hydrocarbons				
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	%	110	-
p-Terphenyl-d14 (surr.)	1	%	104	-
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	%	95	-
Tetrachloro-m-xylene (surr.)	1	%	114	-
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	-
Dibutylchlorendate (surr.)	1	%	95	-
Tetrachloro-m-xylene (surr.)	1	%	114	-

Client Sample ID			20220915_QC01ST	TP224_0.0-0.1
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Se0040947**	**S22-Se0040995**
Date Sampled			**Sep 15, 2022**	**Sep 15, 2022**
Test/Reference	LOR	Unit		
Heavy Metals				
Arsenic	2	mg/kg	13	11
Cadmium	0.4	mg/kg	1.8	< 0.4
Chromium	5	mg/kg	26	26
Copper	5	mg/kg	31	8.0
Lead	5	mg/kg	200	28
Mercury	0.1	mg/kg	< 0.1	< 0.1
Nickel	5	mg/kg	12	6.4
Zinc	5	mg/kg	73	21
% Moisture	1	%	28	23

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
JBS&G Suite 2			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Polychlorinated Biphenyls	Sydney	Sep 21, 2022	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Metals M8	Sydney	Sep 26, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Sep 21, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
Cyanide (total)	Sydney	Sep 21, 2022	14 Days
- Method: E054 Total Cyanide			
Chloride	Sydney	Sep 21, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Sep 21, 2022	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Salinity (determined from EC)*	Sydney	Sep 21, 2022	28 Days
- Method: LTM-INO-4030			
Sulphate (as SO4)	Sydney	Sep 21, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
Organophosphorus Pesticides	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Acid Herbicides	Melbourne	Sep 26, 2022	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Sep 21, 2022	7 Days
- Method: LTM-INO-4030 Conductivity			
Exchangeable Sodium Percentage (ESP)	Melbourne	Sep 27, 2022	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
Phenols (Halogenated)	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Sep 21, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Cation Exchange Capacity	Melbourne	Sep 27, 2022	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP073_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040879		X							X	X		X		X		X	X		X		
2	TP073_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040880									X	X		X		X			X		X		
3	TP058_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040881		X												X			X				
4	TP059_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040882		X												X			X				
5	TP074_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040883		X												X			X				
6	TP089_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040884		X		X					X	X	X	X	X	X	X	X	X		X		
7	TP102_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040885		X		X						X	X	X	X	X	X	X	X				
8	TP113_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040886		X												X			X				
9	TP123_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040887	X								X	X		X		X		X	X		X		
10	TP123_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040888									X	X		X		X		X	X		X		
11	TP112_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040889		X												X			X				
12	TP101_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040890		X												X			X				

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
13	TP088_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040891		X							X	X	X	X	X	X		X	X		X		
14	TP088_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040892			X			X	X	X									X	X			X
15	TP044_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040893		X							X	X		X		X		X	X		X		
16	TP044_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040894									X	X		X		X		X	X		X		
17	TP124_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040895		X												X			X				
18	TP134_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040896		X												X			X				
19	TP133_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040897		X							X	X		X		X		X	X		X		
20	TP133_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040898									X	X		X		X		X	X		X		
21	TP135_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040899		X												X			X				
22	TP144_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040900		X												X			X				
23	SP06-01	Sep 15, 2022		Soil	S22-Se0040901		X		X							X				X		X			X	
24	SP06-02	Sep 15, 2022		Soil	S22-Se0040902		X									X						X			X	
25	SP06-03	Sep 15, 2022		Soil	S22-Se0040903		X									X						X			X	
26	SP06-04	Sep 15, 2022		Soil	S22-Se0040904		X									X						X			X	
27	SP06-05	Sep 15, 2022		Soil	S22-Se0040905		X									X						X			X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP06-06	Sep 15, 2022		Soil	S22-Se0040906		X		X							X				X		X			X	
29	SP06-07	Sep 15, 2022		Soil	S22-Se0040907		X		X							X				X		X			X	
30	SP06-08	Sep 15, 2022		Soil	S22-Se0040908		X		X							X				X		X			X	
31	SP06-09	Sep 15, 2022		Soil	S22-Se0040909		X		X							X				X		X			X	
32	SP06-10	Sep 15, 2022		Soil	S22-Se0040910		X		X							X				X		X			X	
33	SP04-01	Sep 15, 2022		Soil	S22-Se0040911		X		X							X				X		X			X	
34	SP04-02	Sep 15, 2022		Soil	S22-Se0040912		X									X						X			X	
35	SP04-03	Sep 15, 2022		Soil	S22-Se0040913		X									X						X			X	
36	SP03-01	Sep 15, 2022		Soil	S22-Se0040914		X		X							X				X		X			X	
37	SP03-02	Sep 15, 2022		Soil	S22-Se0040915		X									X						X			X	
38	SP03-03	Sep 15, 2022		Soil	S22-Se0040916		X									X						X			X	
39	SP03-04	Sep 15, 2022		Soil	S22-Se0040917		X									X						X			X	
40	SP03-05	Sep 15, 2022		Soil	S22-Se0040918		X									X						X			X	
41	SP03-06	Sep 15, 2022		Soil	S22-Se0040919		X									X						X			X	
42	SP02-01	Sep 15, 2022		Soil	S22-Se0040920		X		X							X				X		X			X	

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
43	SP02-02	Sep 15, 2022		Soil	S22-Se0040921		X									X						X			X	
44	SP02-03	Sep 15, 2022		Soil	S22-Se0040922		X									X						X			X	
45	SP01-01	Sep 15, 2022		Soil	S22-Se0040923		X		X							X				X		X			X	
46	SP01-02	Sep 15, 2022		Soil	S22-Se0040924		X									X						X			X	
47	TP225_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040925		X							X	X		X		X		X	X		X		
48	TP225_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040926			X			X	X	X									X	X			X
49	TP225_2.9-3.0	Sep 15, 2022		Soil	S22-Se0040927			X			X	X	X									X	X			X
50	TP210_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040928		X												X			X				
51	TP196_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040929		X							X	X		X		X		X	X		X		
52	TP195_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040930		X												X			X				
53	TP209_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040931		X												X			X				
54	TP194_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040932		X							X	X		X		X		X	X		X		
55	TP230_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040933		X												X			X				
56	TP230_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040934														X			X				
57	TP226_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040935		X												X			X				

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	TP233_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040936		X												X			X				
59	TP232_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040937		X							X	X		X		X		X	X		X		
60	TP231_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040938		X												X			X				
61	TP224_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040939														X			X				
62	TP223_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040940		X												X			X				
63	TP208_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040941		X												X			X				
64	TP208_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040942			X			X	X	X									X	X			X
65	TP208_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040943			X			X	X	X									X	X			X
66	TP083_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040944		X												X			X				
67	20220915_QC 01LW	Sep 15, 2022		Soil	S22-Se0040945		X							X	X		X		X		X	X		X		
68	SP01-03	Sep 15, 2022		Soil	S22-Se0040946		X	X					X									X			X	
69	20220915_QC 01ST	Sep 15, 2022		Soil	S22-Se0040947		X							X	X		X		X		X	X		X		
70	TS	Sep 15, 2022		Water	S22-Se0040948																X					

eurofins

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

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

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

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

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

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

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

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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

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

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
71	TB	Sep 15, 2022		Water	S22-Se0040949																X					
72	TP058_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040950					X																
73	TP058_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040951					X																
74	TP059_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040952					X																
75	TP074_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040953					X																
76	TP074_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040954					X																
77	TP089_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040955					X																
78	TP089_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040956					X																
79	TP102_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040957					X																
80	TP102_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040958					X																
81	TP113_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040959					X																
82	TP113_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040960					X																
83	TP123_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040961					X																
84	TP112_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040962					X																
85	TP112_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040963					X																

eurofins

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

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

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
86	TP101_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040964					X																
87	TP101_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040965					X																
88	TP088_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040966					X																
89	TP088_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040967					X																
90	TP088_1.5-1.6	Sep 15, 2022		Soil	S22-Se0040968					X																
91	TP088_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040969					X																
92	TP088_2.5-2.6	Sep 15, 2022		Soil	S22-Se0040970					X																
93	TP044_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040971					X																
94	TP124_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040972					X																
95	TP124_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040973					X																
96	TP134_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040974					X																
97	TP134_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040975					X																
98	TP133_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040976					X																
99	TP135_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040977					X																
100	TP144_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040978					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
101	TP144_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040979					X																
102	TP225_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040980					X																
103	TP225_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040981					X																
104	TP225_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040982					X																
105	TP210_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040983					X																
106	TP210_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040984					X																
107	TP196_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040985					X																
108	TP196_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040986					X																
109	TP195_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040987					X																
110	TP209_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040988					X																
111	TP209_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040989					X																
112	TP194_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040990					X																
113	TP226_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040991					X																
114	TP233_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040992					X																
115	TP232_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040993					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
116	TP231_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040994					X																
117	TP224_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040995		X												X			X				
118	TP224_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040996					X																
119	TP223_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040997					X																
120	TP223_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040998					X																
121	TP208_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040999					X																
122	TP208_0.5-0.6	Sep 15, 2022		Soil	S22-Se0041000					X																
123	TP208_2.9-3.0	Sep 15, 2022		Soil	S22-Se0041001					X																
124	TP083_0.3-0.4	Sep 15, 2022		Soil	S22-Se0041002					X																
125	20220915_QC02LW	Sep 15, 2022		Soil	S22-Se0041003					X																
126	20220915_QC02ST	Sep 15, 2022		Soil	S22-Se0041004					X																
Test Counts						1	58	6	12	54	5	5	6	16	17	27	17	3	40	12	18	70	5	16	25	5

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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	
Total PAH*	mg/kg	-			0.5	N/A	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
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	
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							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Cyanide (total)	mg/kg	< 1			1	Pass	
Chloride	mg/kg	< 10			10	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Sulphate (as SO4)	mg/kg	< 10			10	Pass	
Exchangeable Sodium Percentage (ESP)	%	< 0.1			0.1	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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
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							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
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	
Total Non-Halogenated Phenol*	mg/kg	< 0			20	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	96			70-130	Pass	
TRH C10-C14	%	83			70-130	Pass	
Naphthalene	%	87			70-130	Pass	
TRH C6-C10	%	98			70-130	Pass	
TRH >C10-C16	%	84			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	94			70-130	Pass	
Toluene	%	98			70-130	Pass	
Ethylbenzene	%	82			70-130	Pass	
m&p-Xylenes	%	96			70-130	Pass	
o-Xylene	%	92			70-130	Pass	
Xylenes - Total*	%	95			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	89			70-130	Pass	
Acenaphthylene	%	92			70-130	Pass	
Anthracene	%	97			70-130	Pass	
Benz(a)anthracene	%	77			70-130	Pass	
Benzo(a)pyrene	%	84			70-130	Pass	
Benzo(g.h.i)perylene	%	89			70-130	Pass	
Benzo(k)fluoranthene	%	105			70-130	Pass	
Chrysene	%	93			70-130	Pass	
Dibenz(a.h)anthracene	%	84			70-130	Pass	
Fluoranthene	%	97			70-130	Pass	
Fluorene	%	92			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	85			70-130	Pass	
Naphthalene	%	91			70-130	Pass	
Phenanthrene	%	88			70-130	Pass	
Pyrene	%	97			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	94			70-130	Pass	
4.4'-DDD	%	92			70-130	Pass	
4.4'-DDE	%	98			70-130	Pass	
4.4'-DDT	%	84			70-130	Pass	
a-HCH	%	92			70-130	Pass	
Aldrin	%	91			70-130	Pass	
b-HCH	%	91			70-130	Pass	
d-HCH	%	93			70-130	Pass	
Dieldrin	%	100			70-130	Pass	
Endosulfan I	%	94			70-130	Pass	
Endosulfan II	%	101			70-130	Pass	
Endosulfan sulphate	%	93			70-130	Pass	
Endrin	%	93			70-130	Pass	
Endrin aldehyde	%	90			70-130	Pass	
Endrin ketone	%	96			70-130	Pass	
g-HCH (Lindane)	%	95			70-130	Pass	
Heptachlor	%	93			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor epoxide	%	91			70-130	Pass	
Hexachlorobenzene	%	93			70-130	Pass	
Methoxychlor	%	93			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	88			70-130	Pass	
Aroclor-1260	%	78			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	113			80-120	Pass	
Cadmium	%	112			80-120	Pass	
Chromium	%	104			80-120	Pass	
Copper	%	97			80-120	Pass	
Lead	%	95			80-120	Pass	
Mercury	%	115			80-120	Pass	
Nickel	%	97			80-120	Pass	
Zinc	%	103			80-120	Pass	
LCS - % Recovery							
Cyanide (total)	%	94			70-130	Pass	
Chloride	%	112			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	81			70-130	Pass	
Sulphate (as SO4)	%	94			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	113			70-130	Pass	
Dimethoate	%	85			70-130	Pass	
Ethion	%	111			70-130	Pass	
Fenitrothion	%	118			70-130	Pass	
Methyl parathion	%	120			70-130	Pass	
Mevinphos	%	103			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	72			70-130	Pass	
2.4-DB	%	72			70-130	Pass	
2.4.5-T	%	81			70-130	Pass	
2.4.5-TP	%	82			70-130	Pass	
Actril (loxynil)	%	84			70-130	Pass	
Dicamba	%	81			70-130	Pass	
Dichlorprop	%	85			70-130	Pass	
Dinitro-o-cresol	%	88			70-130	Pass	
Dinoseb	%	79			70-130	Pass	
MCPA	%	71			70-130	Pass	
MCPB	%	71			70-130	Pass	
Mecoprop	%	78			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	91			25-140	Pass	
2.4-Dichlorophenol	%	93			25-140	Pass	
2.4.5-Trichlorophenol	%	82			25-140	Pass	
2.4.6-Trichlorophenol	%	94			25-140	Pass	
2.6-Dichlorophenol	%	93			25-140	Pass	
4-Chloro-3-methylphenol	%	92			25-140	Pass	
Pentachlorophenol	%	83			25-140	Pass	
Tetrachlorophenols - Total	%	91			25-140	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery									
Phenols (non-Halogenated)									
2-Methyl-4.6-dinitrophenol			%	59			25-140	Pass	
2-Nitrophenol			%	95			25-140	Pass	
2.4-Dimethylphenol			%	91			25-140	Pass	
2-Methylphenol (o-Cresol)			%	91			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)			%	93			25-140	Pass	
4-Nitrophenol			%	88			25-140	Pass	
Dinoseb			%	75			25-140	Pass	
Phenol			%	93			25-140	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Se0020973	NCP	%	106			70-130	Pass	
TRH >C10-C16	S22-Se0020973	NCP	%	108			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDT	S22-Se0035407	NCP	%	113			70-130	Pass	
Methoxychlor	S22-Se0035407	NCP	%	121			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0040880	CP	%	85			70-130	Pass	
Naphthalene	S22-Se0040880	CP	%	77			70-130	Pass	
TRH C6-C10	S22-Se0040880	CP	%	88			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0040880	CP	%	88			70-130	Pass	
Toluene	S22-Se0040880	CP	%	103			70-130	Pass	
Ethylbenzene	S22-Se0040880	CP	%	86			70-130	Pass	
m&p-Xylenes	S22-Se0040880	CP	%	90			70-130	Pass	
o-Xylene	S22-Se0040880	CP	%	90			70-130	Pass	
Xylenes - Total*	S22-Se0040880	CP	%	90			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0040880	CP	%	98			75-125	Pass	
Cadmium	S22-Se0040880	CP	%	96			75-125	Pass	
Chromium	S22-Se0040880	CP	%	94			75-125	Pass	
Copper	S22-Se0040880	CP	%	90			75-125	Pass	
Lead	S22-Se0040880	CP	%	95			75-125	Pass	
Mercury	S22-Se0040880	CP	%	99			75-125	Pass	
Nickel	S22-Se0040880	CP	%	89			75-125	Pass	
Zinc	S22-Se0040880	CP	%	81			75-125	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Se0038769	NCP	%	102			70-130	Pass	
Sulphate (as SO4)	S22-Se0038769	NCP	%	91			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Cadmium	S22-Se0040901	CP	%	91			75-125	Pass	
Chromium	S22-Se0040901	CP	%	104			75-125	Pass	
Copper	S22-Se0040901	CP	%	99			75-125	Pass	
Lead	S22-Se0040901	CP	%	92			75-125	Pass	
Mercury	S22-Se0040901	CP	%	89			75-125	Pass	
Nickel	S22-Se0040901	CP	%	96			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc	S22-Se0040901	CP	%	82			75-125	Pass	
Spike - % Recovery									
				Result 1					
Cyanide (total)	S22-Se0040906	CP	%	88			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0040909	CP	%	86			70-130	Pass	
4.4'-DDD	S22-Se0040909	CP	%	78			70-130	Pass	
4.4'-DDE	S22-Se0040909	CP	%	85			70-130	Pass	
a-HCH	S22-Se0040909	CP	%	83			70-130	Pass	
Aldrin	S22-Se0040909	CP	%	83			70-130	Pass	
b-HCH	S22-Se0040909	CP	%	77			70-130	Pass	
d-HCH	S22-Se0040909	CP	%	87			70-130	Pass	
Dieldrin	S22-Se0040909	CP	%	85			70-130	Pass	
Endosulfan I	S22-Se0040909	CP	%	83			70-130	Pass	
Endosulfan II	S22-Se0040909	CP	%	87			70-130	Pass	
Endosulfan sulphate	S22-Se0040909	CP	%	82			70-130	Pass	
Endrin	S22-Se0040909	CP	%	79			70-130	Pass	
Endrin aldehyde	S22-Se0040909	CP	%	93			70-130	Pass	
Endrin ketone	S22-Se0040909	CP	%	91			70-130	Pass	
g-HCH (Lindane)	S22-Se0040909	CP	%	93			70-130	Pass	
Heptachlor	S22-Se0040909	CP	%	82			70-130	Pass	
Heptachlor epoxide	S22-Se0040909	CP	%	81			70-130	Pass	
Hexachlorobenzene	S22-Se0040909	CP	%	86			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0040909	CP	%	82			70-130	Pass	
Aroclor-1260	S22-Se0040909	CP	%	84			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0040909	CP	%	116			70-130	Pass	
Dimethoate	S22-Se0040909	CP	%	74			70-130	Pass	
Ethion	S22-Se0040909	CP	%	103			70-130	Pass	
Fenitrothion	S22-Se0040909	CP	%	92			70-130	Pass	
Methyl parathion	S22-Se0040909	CP	%	96			70-130	Pass	
Mevinphos	S22-Se0040909	CP	%	98			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0040911	CP	%	83			70-130	Pass	
4.4'-DDD	S22-Se0040911	CP	%	79			70-130	Pass	
4.4'-DDE	S22-Se0040911	CP	%	89			70-130	Pass	
a-HCH	S22-Se0040911	CP	%	75			70-130	Pass	
Aldrin	S22-Se0040911	CP	%	73			70-130	Pass	
b-HCH	S22-Se0040911	CP	%	66			70-130	Fail	Q08
d-HCH	S22-Se0040911	CP	%	76			70-130	Pass	
Dieldrin	S22-Se0040911	CP	%	70			70-130	Pass	
Endosulfan I	S22-Se0040911	CP	%	76			70-130	Pass	
Endosulfan II	S22-Se0040911	CP	%	105			70-130	Pass	
Endosulfan sulphate	S22-Se0040911	CP	%	69			70-130	Fail	Q08
Endrin	S22-Se0040911	CP	%	70			70-130	Pass	
Endrin aldehyde	S22-Se0040911	CP	%	88			70-130	Pass	
Endrin ketone	S22-Se0040911	CP	%	81			70-130	Pass	
g-HCH (Lindane)	S22-Se0040911	CP	%	102			70-130	Pass	
Heptachlor	S22-Se0040911	CP	%	73			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor epoxide	S22-Se0040911	CP	%	82			70-130	Pass	
Hexachlorobenzene	S22-Se0040911	CP	%	76			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0040911	CP	%	84			70-130	Pass	
Aroclor-1260	S22-Se0040911	CP	%	89			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0040911	CP	%	97			70-130	Pass	
Mevinphos	S22-Se0040911	CP	%	79			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0040912	CP	%	76			70-130	Pass	
Naphthalene	S22-Se0040912	CP	%	88			70-130	Pass	
TRH C6-C10	S22-Se0040912	CP	%	80			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0040912	CP	%	81			70-130	Pass	
Toluene	S22-Se0040912	CP	%	87			70-130	Pass	
Ethylbenzene	S22-Se0040912	CP	%	84			70-130	Pass	
m&p-Xylenes	S22-Se0040912	CP	%	85			70-130	Pass	
o-Xylene	S22-Se0040912	CP	%	90			70-130	Pass	
Xylenes - Total*	S22-Se0040912	CP	%	87			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0040921	CP	%	111			75-125	Pass	
Cadmium	S22-Se0040921	CP	%	116			75-125	Pass	
Chromium	S22-Se0040921	CP	%	122			75-125	Pass	
Copper	S22-Se0040921	CP	%	112			75-125	Pass	
Lead	S22-Se0040921	CP	%	103			75-125	Pass	
Mercury	S22-Se0040921	CP	%	121			75-125	Pass	
Nickel	S22-Se0040921	CP	%	93			75-125	Pass	
Zinc	S22-Se0040921	CP	%	86			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0040879	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S22-Se0040879	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040879	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040879	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0040879	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S22-Se0040879	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040879	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040879	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0040879	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0040879	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040879	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040879	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040879	CP	mg/kg	8.9	13	34	30%	Fail	Q15
Cadmium	S22-Se0040879	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040879	CP	mg/kg	19	27	34	30%	Fail	Q15
Copper	S22-Se0040879	CP	mg/kg	8.6	11	28	30%	Pass	
Lead	S22-Se0040879	CP	mg/kg	18	32	54	30%	Fail	Q15

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Mercury	S22-Se0040879	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040879	CP	mg/kg	5.2	7.6	37	30%	Fail	Q15
Zinc	S22-Se0040879	CP	mg/kg	18	32	56	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040879	CP	%	20	20	2.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040884	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0040884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040884	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040884	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040884	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040884	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040884	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040884	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040884	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040884	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040884	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040884	CP	mg/kg	< 10	< 10	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040884	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040884	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040884	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040884	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040884	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040884	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0040884	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040889	CP	mg/kg	12	9.0	25	30%	Pass	
Cadmium	S22-Se0040889	CP	mg/kg	1.9	1.4	28	30%	Pass	
Chromium	S22-Se0040889	CP	mg/kg	29	20	35	30%	Fail	Q15
Copper	S22-Se0040889	CP	mg/kg	7.5	6.5	14	30%	Pass	
Lead	S22-Se0040889	CP	mg/kg	23	22	2.2	30%	Pass	
Mercury	S22-Se0040889	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040889	CP	mg/kg	5.5	< 5	29	30%	Pass	
Zinc	S22-Se0040889	CP	mg/kg	19	12	47	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040889	CP	%	21	21	1.3	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Chloride	S22-Se0030229	NCP	mg/kg	< 10	10	10	30%	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S22-Se0049814	NCP	uS/cm	22	25	13	30%	Pass	
Salinity (determined from EC)*	S22-Se0049814	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Sulphate (as SO4)	S22-Se0030229	NCP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040899	CP	%	28	34	19	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040900	CP	mg/kg	8.0	9.6	19	30%	Pass	
Cadmium	S22-Se0040900	CP	mg/kg	< 0.4	0.5	41	30%	Fail	Q15
Chromium	S22-Se0040900	CP	mg/kg	16	18	14	30%	Pass	
Copper	S22-Se0040900	CP	mg/kg	9.3	10	8.0	30%	Pass	
Lead	S22-Se0040900	CP	mg/kg	35	46	28	30%	Pass	
Mercury	S22-Se0040900	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040900	CP	mg/kg	9.6	11	11	30%	Pass	
Zinc	S22-Se0040900	CP	mg/kg	23	30	24	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040908	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040908	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040908	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0040908	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040908	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040908	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040908	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040908	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040908	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040908	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040908	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040908	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040908	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040908	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040908	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040908	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040908	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040908	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040908	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040908	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040908	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040908	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040908	CP	mg/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
Dinoseb	S22-Se0040908	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040908	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040909	CP	%	22	19	17	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040910	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040910	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0040910	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0040910	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040910	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040910	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040910	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040910	CP	mg/kg	6.9	16	82	30%	Fail	Q15
Cadmium	S22-Se0040910	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040910	CP	mg/kg	14	38	94	30%	Fail	Q15
Copper	S22-Se0040910	CP	mg/kg	22	23	5.1	30%	Pass	
Lead	S22-Se0040910	CP	mg/kg	45	60	29	30%	Pass	
Mercury	S22-Se0040910	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040910	CP	mg/kg	8.8	9.3	6.5	30%	Pass	
Zinc	S22-Se0040910	CP	mg/kg	93	97	4.1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040910	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040910	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040910	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040910	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040910	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040910	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040910	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040910	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040910	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040910	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040910	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040910	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040910	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040910	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040910	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0040910	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040910	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0040911	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Naphthalene	S22-Se0040911	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0040911	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0040911	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0040911	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0040911	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0040911	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0040911	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0040911	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040919	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040919	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040919	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040919	CP	%	25	26	5.3	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040919	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Merphos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040919	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040919	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040919	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0040920	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040920	CP	mg/kg	9.2	6.6	33	30%	Fail	Q15
Cadmium	S22-Se0040920	CP	mg/kg	< 0.4	0.5	28	30%	Pass	
Chromium	S22-Se0040920	CP	mg/kg	19	19	3.1	30%	Pass	
Copper	S22-Se0040920	CP	mg/kg	21	18	14	30%	Pass	
Lead	S22-Se0040920	CP	mg/kg	35	28	23	30%	Pass	
Mercury	S22-Se0040920	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040920	CP	mg/kg	11	11	<1	30%	Pass	
Zinc	S22-Se0040920	CP	mg/kg	48	47	2.7	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0040920	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0040920	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0040920	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0040920	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0040920	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0040920	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0040920	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0040920	CP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0040920	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0040920	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0040920	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0040920	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0040920	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0040920	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0040920	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0040920	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0040920	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0040921	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0040921	CP	mg/kg	< 50	50	47	30%	Fail	Q15
TRH C29-C36	S22-Se0040921	CP	mg/kg	< 50	54	51	30%	Fail	Q15
TRH >C10-C16	S22-Se0040921	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0040921	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0040921	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0040926	CP	pH Units	7.5	7.6	<1	30%	Pass	
Exchangeable Sodium Percentage (ESP)	M22-Se0043906	NCP	%	3.7	3.7	<1	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	M22-Se0043906	NCP	meq/100g	17	15	16	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040929	CP	%	15	15	5.6	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040932	CP	mg/kg	9.8	17	55	30%	Fail	Q15
Cadmium	S22-Se0040932	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040932	CP	mg/kg	14	22	43	30%	Fail	Q15
Copper	S22-Se0040932	CP	mg/kg	6.0	9.1	41	30%	Fail	Q15
Lead	S22-Se0040932	CP	mg/kg	20	37	60	30%	Fail	Q15
Mercury	S22-Se0040932	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040932	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0040932	CP	mg/kg	< 5	6.6	60	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0040939	CP	%	17	16	1.6	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0040944	CP	mg/kg	11	10	3.5	30%	Pass	
Cadmium	S22-Se0040944	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0040944	CP	mg/kg	20	20	2.2	30%	Pass	
Copper	S22-Se0040944	CP	mg/kg	14	14	1.6	30%	Pass	
Lead	S22-Se0040944	CP	mg/kg	19	19	4.2	30%	Pass	
Mercury	S22-Se0040944	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0040944	CP	mg/kg	7.5	7.7	3.2	30%	Pass	
Zinc	S22-Se0040944	CP	mg/kg	14	13	1.1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
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.
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Quinn Raw	Analytical Services Manager
Dilani Samarakoon	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Sayeed Abu	Senior Analyst-Asbestos
Scott Beddoes	Senior Analyst-Metal

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Certificate of Analysis

Environment Testing

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025–Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Sahani Gunatunge
Report	924719-AID
Project Name	GUNTAWONG RD DSI
Project ID	62343
Received Date	Sep 16, 2022
Date Reported	Sep 29, 2022

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name GUNTAWONG RD DSI
Project ID 62343
Date Sampled Sep 15, 2022
Report 924719-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP073_0.0-0.1	22-Se0040879	Sep 15, 2022	Approximate Sample 579g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP058_0.0-0.1	22-Se0040881	Sep 15, 2022	Approximate Sample 556g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP059_0.0-0.1	22-Se0040882	Sep 15, 2022	Approximate Sample 578g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP074_0.0-0.1	22-Se0040883	Sep 15, 2022	Approximate Sample 629g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP089_0.0-0.1	22-Se0040884	Sep 15, 2022	Approximate Sample 371g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP102_0.3-0.4	22-Se0040885	Sep 15, 2022	Approximate Sample 500g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP113_0.3-0.4	22-Se0040886	Sep 15, 2022	Approximate Sample 594g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP123_0.0-0.1	22-Se0040887	Sep 15, 2022	Approximate Sample 31g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP112_0.0-0.1	22-Se0040889	Sep 15, 2022	Approximate Sample 677g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP101_0.0-0.1	22-Se0040890	Sep 15, 2022	Approximate Sample 395g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP088_0.0-0.1	22-Se0040891	Sep 15, 2022	Approximate Sample 500g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP044_0.0-0.1	22-Se0040893	Sep 15, 2022	Approximate Sample 604g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP124_0.0-0.1	22-Se0040895	Sep 15, 2022	Approximate Sample 410g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP134_0.0-0.1	22-Se0040896	Sep 15, 2022	Approximate Sample 515g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP133_0.0-0.1	22-Se0040897	Sep 15, 2022	Approximate Sample 542g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP135_0.0-0.1	22-Se0040899	Sep 15, 2022	Approximate Sample 501g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP144_0.0-0.1	22-Se0040900	Sep 15, 2022	Approximate Sample 502g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-01	22-Se0040901	Sep 15, 2022	Approximate Sample 634g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-02	22-Se0040902	Sep 15, 2022	Approximate Sample 548g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-03	22-Se0040903	Sep 15, 2022	Approximate Sample 569g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-04	22-Se0040904	Sep 15, 2022	Approximate Sample 510g Sample consisted of: Brown fine-grained clayey soil, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
SP06-05	22-Se0040905	Sep 15, 2022	Approximate Sample 517g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-06	22-Se0040906	Sep 15, 2022	Approximate Sample 598g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-07	22-Se0040907	Sep 15, 2022	Approximate Sample 500g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-08	22-Se0040908	Sep 15, 2022	Approximate Sample 506g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-09	22-Se0040909	Sep 15, 2022	Approximate Sample 552g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06-10	22-Se0040910	Sep 15, 2022	Approximate Sample 578g Sample consisted of: Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP04-01	22-Se0040911	Sep 15, 2022	Approximate Sample 701g Sample consisted of: Brown coarse-grained soil, bitumen, cement, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP04-02	22-Se0040912	Sep 15, 2022	Approximate Sample 721g Sample consisted of: Brown coarse-grained soil, brick, bitumen, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP04-03	22-Se0040913	Sep 15, 2022	Approximate Sample 600g Sample consisted of: Brown coarse-grained soil, brick, bitumen, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP03-01	22-Se0040914	Sep 15, 2022	Approximate Sample 666g Sample consisted of: Brown fine-grained clayey soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP03-02	22-Se0040915	Sep 15, 2022	Approximate Sample 654g Sample consisted of: Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP03-03	22-Se0040916	Sep 15, 2022	Approximate Sample 672g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP03-04	22-Se0040917	Sep 15, 2022	Approximate Sample 620g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
SP03-05	22-Se0040918	Sep 15, 2022	Approximate Sample 586g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP03-06	22-Se0040919	Sep 15, 2022	Approximate Sample 511g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP02-01	22-Se0040920	Sep 15, 2022	Approximate Sample 754g Sample consisted of: Brown fine-grained clayey soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP02-02	22-Se0040921	Sep 15, 2022	Approximate Sample 679g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP02-03	22-Se0040922	Sep 15, 2022	Approximate Sample 780g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP01-01	22-Se0040923	Sep 15, 2022	Approximate Sample 587g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP01-02	22-Se0040924	Sep 15, 2022	Approximate Sample 586g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP225_0.0-0.1	22-Se0040925	Sep 15, 2022	Approximate Sample 594g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP210_0.0-0.1	22-Se0040928	Sep 15, 2022	Approximate Sample 687g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP196_0.0-0.1	22-Se0040929	Sep 15, 2022	Approximate Sample 727g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP195_0.0-0.1	22-Se0040930	Sep 15, 2022	Approximate Sample 725g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP209_0.0-0.1	22-Se0040931	Sep 15, 2022	Approximate Sample 673g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP194_0.0-0.1	22-Se0040932	Sep 15, 2022	Approximate Sample 684g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP230_0.0-0.1	22-Se0040933	Sep 15, 2022	Approximate Sample 546g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP226_0.0-0.1	22-Se0040935	Sep 15, 2022	Approximate Sample 559g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP233_0.0-0.1	22-Se0040936	Sep 15, 2022	Approximate Sample 576g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP232_0.0-0.1	22-Se0040937	Sep 15, 2022	Approximate Sample 694g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP231_0.0-0.1	22-Se0040938	Sep 15, 2022	Approximate Sample 652g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP223_0.0-0.1	22-Se0040940	Sep 15, 2022	Approximate Sample 701g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP208_0.0-0.1	22-Se0040941	Sep 15, 2022	Approximate Sample 562g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP083_0.0-0.1	22-Se0040944	Sep 15, 2022	Approximate Sample 655g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220915_QC01LW	22-Se0040945	Sep 15, 2022	Approximate Sample 557g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP01-03	22-Se0040946	Sep 15, 2022	Approximate Sample 582g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220915_QC01ST	22-Se0040947	Sep 15, 2022	Approximate Sample 501g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP224_0.0-0.1	22-Se0040995	Sep 15, 2022	Approximate Sample 585g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Sep 21, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 21, 2022	Indefinite

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP073_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040879		X							X	X		X		X		X	X		X		
2	TP073_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040880									X	X		X		X			X		X		
3	TP058_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040881		X												X			X				
4	TP059_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040882		X												X			X				
5	TP074_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040883		X												X			X				
6	TP089_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040884		X		X					X	X	X	X	X	X	X	X	X		X		
7	TP102_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040885		X		X						X	X	X	X	X	X	X	X				
8	TP113_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040886		X												X			X				
9	TP123_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040887	X								X	X		X		X		X	X		X		
10	TP123_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040888									X	X		X		X		X	X		X		
11	TP112_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040889		X												X			X				
12	TP101_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040890		X												X			X				

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
13	TP088_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040891		X							X	X	X	X	X	X		X	X		X		
14	TP088_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040892			X			X	X	X									X	X			X
15	TP044_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040893		X							X	X		X		X		X	X		X		
16	TP044_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040894									X	X		X		X		X	X		X		
17	TP124_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040895		X												X			X				
18	TP134_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040896		X												X			X				
19	TP133_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040897		X							X	X		X		X		X	X		X		
20	TP133_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040898									X	X		X		X		X	X		X		
21	TP135_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040899		X												X			X				
22	TP144_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040900		X												X			X				
23	SP06-01	Sep 15, 2022		Soil	S22-Se0040901		X		X							X				X		X			X	
24	SP06-02	Sep 15, 2022		Soil	S22-Se0040902		X									X						X			X	
25	SP06-03	Sep 15, 2022		Soil	S22-Se0040903		X									X						X			X	
26	SP06-04	Sep 15, 2022		Soil	S22-Se0040904		X									X						X			X	
27	SP06-05	Sep 15, 2022		Soil	S22-Se0040905		X									X						X			X	

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP06-06	Sep 15, 2022		Soil	S22-Se0040906		X		X							X				X		X			X	
29	SP06-07	Sep 15, 2022		Soil	S22-Se0040907		X		X							X				X		X			X	
30	SP06-08	Sep 15, 2022		Soil	S22-Se0040908		X		X							X				X		X			X	
31	SP06-09	Sep 15, 2022		Soil	S22-Se0040909		X		X							X				X		X			X	
32	SP06-10	Sep 15, 2022		Soil	S22-Se0040910		X		X							X				X		X			X	
33	SP04-01	Sep 15, 2022		Soil	S22-Se0040911		X		X							X				X		X			X	
34	SP04-02	Sep 15, 2022		Soil	S22-Se0040912		X									X						X			X	
35	SP04-03	Sep 15, 2022		Soil	S22-Se0040913		X									X						X			X	
36	SP03-01	Sep 15, 2022		Soil	S22-Se0040914		X		X							X				X		X			X	
37	SP03-02	Sep 15, 2022		Soil	S22-Se0040915		X									X						X			X	
38	SP03-03	Sep 15, 2022		Soil	S22-Se0040916		X									X						X			X	
39	SP03-04	Sep 15, 2022		Soil	S22-Se0040917		X									X						X			X	
40	SP03-05	Sep 15, 2022		Soil	S22-Se0040918		X									X						X			X	
41	SP03-06	Sep 15, 2022		Soil	S22-Se0040919		X									X						X			X	
42	SP02-01	Sep 15, 2022		Soil	S22-Se0040920		X		X							X				X		X			X	

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
43	SP02-02	Sep 15, 2022		Soil	S22-Se0040921		X									X						X			X	
44	SP02-03	Sep 15, 2022		Soil	S22-Se0040922		X									X						X			X	
45	SP01-01	Sep 15, 2022		Soil	S22-Se0040923		X		X							X				X		X			X	
46	SP01-02	Sep 15, 2022		Soil	S22-Se0040924		X									X						X			X	
47	TP225_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040925		X							X	X		X		X		X	X		X		
48	TP225_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040926			X			X	X	X									X	X			X
49	TP225_2.9-3.0	Sep 15, 2022		Soil	S22-Se0040927			X			X	X	X									X	X			X
50	TP210_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040928		X												X			X				
51	TP196_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040929		X							X	X		X		X		X	X		X		
52	TP195_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040930		X												X			X				
53	TP209_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040931		X												X			X				
54	TP194_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040932		X							X	X		X		X		X	X		X		
55	TP230_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040933		X												X			X				
56	TP230_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040934														X			X				
57	TP226_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040935		X												X			X				

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	TP233_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040936		X												X			X				
59	TP232_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040937		X							X	X		X		X		X	X		X		
60	TP231_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040938		X												X			X				
61	TP224_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040939														X			X				
62	TP223_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040940		X												X			X				
63	TP208_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040941		X												X			X				
64	TP208_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040942			X			X	X	X									X	X			X
65	TP208_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040943			X			X	X	X									X	X			X
66	TP083_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040944		X												X			X				
67	20220915_QC 01LW	Sep 15, 2022		Soil	S22-Se0040945		X							X	X		X		X		X	X		X		
68	SP01-03	Sep 15, 2022		Soil	S22-Se0040946		X	X					X									X			X	
69	20220915_QC 01ST	Sep 15, 2022		Soil	S22-Se0040947		X							X	X		X		X		X	X		X		
70	TS	Sep 15, 2022		Water	S22-Se0040948																X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
71	TB	Sep 15, 2022		Water	S22-Se0040949																X					
72	TP058_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040950					X																
73	TP058_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040951					X																
74	TP059_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040952					X																
75	TP074_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040953					X																
76	TP074_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040954					X																
77	TP089_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040955					X																
78	TP089_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040956					X																
79	TP102_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040957					X																
80	TP102_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040958					X																
81	TP113_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040959					X																
82	TP113_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040960					X																
83	TP123_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040961					X																
84	TP112_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040962					X																
85	TP112_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040963					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
86	TP101_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040964					X																
87	TP101_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040965					X																
88	TP088_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040966					X																
89	TP088_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040967					X																
90	TP088_1.5-1.6	Sep 15, 2022		Soil	S22-Se0040968					X																
91	TP088_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040969					X																
92	TP088_2.5-2.6	Sep 15, 2022		Soil	S22-Se0040970					X																
93	TP044_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040971					X																
94	TP124_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040972					X																
95	TP124_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040973					X																
96	TP134_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040974					X																
97	TP134_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040975					X																
98	TP133_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040976					X																
99	TP135_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040977					X																
100	TP144_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040978					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
101	TP144_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040979					X																
102	TP225_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040980					X																
103	TP225_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040981					X																
104	TP225_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040982					X																
105	TP210_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040983					X																
106	TP210_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040984					X																
107	TP196_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040985					X																
108	TP196_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040986					X																
109	TP195_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040987					X																
110	TP209_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040988					X																
111	TP209_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040989					X																
112	TP194_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040990					X																
113	TP226_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040991					X																
114	TP233_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040992					X																
115	TP232_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040993					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
116	TP231_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040994					X																
117	TP224_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040995		X												X			X				
118	TP224_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040996					X																
119	TP223_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040997					X																
120	TP223_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040998					X																
121	TP208_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040999					X																
122	TP208_0.5-0.6	Sep 15, 2022		Soil	S22-Se0041000					X																
123	TP208_2.9-3.0	Sep 15, 2022		Soil	S22-Se0041001					X																
124	TP083_0.3-0.4	Sep 15, 2022		Soil	S22-Se0041002					X																
125	20220915_QC 02LW	Sep 15, 2022		Soil	S22-Se0041003					X																
126	20220915_QC 02ST	Sep 15, 2022		Soil	S22-Se0041004					X																
Test Counts						1	58	6	12	54	5	5	6	16	17	27	17	3	40	12	18	70	5	16	25	5

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%asbestos	Estimated percentage of asbestos in a given matrix. May be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**).
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".
AFM	Airborne Fibre Monitoring, e.g. by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total % w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average % w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

22-Se0040884, 22-Se0040890 and 22-Se0040895: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

22-Se0040887: The sample received was not collected in an approved asbestos bag and was therefore sub-sampled from the 250mL glass jar. Valid sub-sampling procedures were applied so as to ensure that the sub-sample to be analysed accurately represented the sample received.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **924719-W**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 16, 2022

Client Sample ID			**TS**	**TB**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S22-Se0040948**	**S22-Se0040949**
Date Sampled			**Sep 15, 2022**	**Sep 15, 2022**
Test/Reference	LOR	Unit		
BTEX				
Benzene	0.001	mg/L	93	< 0.001
Toluene	0.001	mg/L	110	< 0.001
Ethylbenzene	0.001	mg/L	110	< 0.001
m&p-Xylenes	0.002	mg/L	110	< 0.002
o-Xylene	0.001	mg/L	120	< 0.001
Xylenes - Total*	0.003	mg/L	110	< 0.003
4-Bromofluorobenzene (surr.)	1	%	100	74

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
JBS&G Suite 2			
BTEX	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP073_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040879		X							X	X		X		X		X	X		X		
2	TP073_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040880									X	X		X		X			X		X		
3	TP058_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040881		X												X			X				
4	TP059_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040882		X												X			X				
5	TP074_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040883		X												X			X				
6	TP089_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040884		X		X					X	X	X	X	X	X	X	X	X		X		
7	TP102_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040885		X		X						X	X	X	X	X	X	X	X				
8	TP113_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040886		X												X			X				
9	TP123_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040887	X								X	X		X		X		X	X		X		
10	TP123_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040888									X	X		X		X		X	X		X		
11	TP112_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040889		X												X			X				
12	TP101_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040890		X												X			X				

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
13	TP088_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040891		X							X	X	X	X	X	X		X	X		X		
14	TP088_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040892			X			X	X	X									X	X			X
15	TP044_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040893		X							X	X		X		X		X	X		X		
16	TP044_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040894									X	X		X		X		X	X		X		
17	TP124_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040895		X												X			X				
18	TP134_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040896		X												X			X				
19	TP133_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040897		X							X	X		X		X		X	X		X		
20	TP133_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040898									X	X		X		X		X	X		X		
21	TP135_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040899		X												X			X				
22	TP144_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040900		X												X			X				
23	SP06-01	Sep 15, 2022		Soil	S22-Se0040901		X		X							X				X		X			X	
24	SP06-02	Sep 15, 2022		Soil	S22-Se0040902		X									X						X			X	
25	SP06-03	Sep 15, 2022		Soil	S22-Se0040903		X									X						X			X	
26	SP06-04	Sep 15, 2022		Soil	S22-Se0040904		X									X						X			X	
27	SP06-05	Sep 15, 2022		Soil	S22-Se0040905		X									X						X			X	

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP06-06	Sep 15, 2022		Soil	S22-Se0040906		X		X							X				X		X			X	
29	SP06-07	Sep 15, 2022		Soil	S22-Se0040907		X		X							X				X		X			X	
30	SP06-08	Sep 15, 2022		Soil	S22-Se0040908		X		X							X				X		X			X	
31	SP06-09	Sep 15, 2022		Soil	S22-Se0040909		X		X							X				X		X			X	
32	SP06-10	Sep 15, 2022		Soil	S22-Se0040910		X		X							X				X		X			X	
33	SP04-01	Sep 15, 2022		Soil	S22-Se0040911		X		X							X				X		X			X	
34	SP04-02	Sep 15, 2022		Soil	S22-Se0040912		X									X						X			X	
35	SP04-03	Sep 15, 2022		Soil	S22-Se0040913		X									X						X			X	
36	SP03-01	Sep 15, 2022		Soil	S22-Se0040914		X		X							X				X		X			X	
37	SP03-02	Sep 15, 2022		Soil	S22-Se0040915		X									X						X			X	
38	SP03-03	Sep 15, 2022		Soil	S22-Se0040916		X									X						X			X	
39	SP03-04	Sep 15, 2022		Soil	S22-Se0040917		X									X						X			X	
40	SP03-05	Sep 15, 2022		Soil	S22-Se0040918		X									X						X			X	
41	SP03-06	Sep 15, 2022		Soil	S22-Se0040919		X									X						X			X	
42	SP02-01	Sep 15, 2022		Soil	S22-Se0040920		X		X							X				X		X			X	

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
43	SP02-02	Sep 15, 2022		Soil	S22-Se0040921		X									X						X			X	
44	SP02-03	Sep 15, 2022		Soil	S22-Se0040922		X									X						X			X	
45	SP01-01	Sep 15, 2022		Soil	S22-Se0040923		X		X							X				X		X			X	
46	SP01-02	Sep 15, 2022		Soil	S22-Se0040924		X									X						X			X	
47	TP225_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040925		X							X	X		X		X		X	X		X		
48	TP225_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040926			X			X	X	X									X	X			X
49	TP225_2.9-3.0	Sep 15, 2022		Soil	S22-Se0040927			X			X	X	X									X	X			X
50	TP210_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040928		X												X			X				
51	TP196_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040929		X							X	X		X		X		X	X		X		
52	TP195_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040930		X												X			X				
53	TP209_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040931		X												X			X				
54	TP194_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040932		X							X	X		X		X		X	X		X		
55	TP230_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040933		X												X			X				
56	TP230_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040934														X			X				
57	TP226_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040935		X												X			X				

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	TP233_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040936		X												X			X				
59	TP232_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040937		X							X	X		X		X		X	X		X		
60	TP231_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040938		X												X			X				
61	TP224_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040939														X			X				
62	TP223_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040940		X												X			X				
63	TP208_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040941		X												X			X				
64	TP208_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040942			X			X	X	X									X	X			X
65	TP208_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040943			X			X	X	X									X	X			X
66	TP083_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040944		X												X			X				
67	20220915_QC 01LW	Sep 15, 2022		Soil	S22-Se0040945		X							X	X		X		X		X	X		X		
68	SP01-03	Sep 15, 2022		Soil	S22-Se0040946		X	X					X									X			X	
69	20220915_QC 01ST	Sep 15, 2022		Soil	S22-Se0040947		X							X	X		X		X		X	X		X		
70	TS	Sep 15, 2022		Water	S22-Se0040948																X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
71	TB	Sep 15, 2022		Water	S22-Se0040949																X					
72	TP058_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040950					X																
73	TP058_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040951					X																
74	TP059_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040952					X																
75	TP074_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040953					X																
76	TP074_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040954					X																
77	TP089_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040955					X																
78	TP089_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040956					X																
79	TP102_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040957					X																
80	TP102_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040958					X																
81	TP113_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040959					X																
82	TP113_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040960					X																
83	TP123_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040961					X																
84	TP112_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040962					X																
85	TP112_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040963					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
86	TP101_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040964					X																
87	TP101_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040965					X																
88	TP088_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040966					X																
89	TP088_1.0-1.1	Sep 15, 2022		Soil	S22-Se0040967					X																
90	TP088_1.5-1.6	Sep 15, 2022		Soil	S22-Se0040968					X																
91	TP088_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040969					X																
92	TP088_2.5-2.6	Sep 15, 2022		Soil	S22-Se0040970					X																
93	TP044_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040971					X																
94	TP124_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040972					X																
95	TP124_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040973					X																
96	TP134_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040974					X																
97	TP134_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040975					X																
98	TP133_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040976					X																
99	TP135_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040977					X																
100	TP144_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040978					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
101	TP144_0.4-0.5	Sep 15, 2022		Soil	S22-Se0040979					X																
102	TP225_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040980					X																
103	TP225_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040981					X																
104	TP225_2.0-2.1	Sep 15, 2022		Soil	S22-Se0040982					X																
105	TP210_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040983					X																
106	TP210_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040984					X																
107	TP196_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040985					X																
108	TP196_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040986					X																
109	TP195_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040987					X																
110	TP209_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040988					X																
111	TP209_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040989					X																
112	TP194_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040990					X																
113	TP226_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040991					X																
114	TP233_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040992					X																
115	TP232_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040993					X																

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924719
Phone: 02 8245 0300
Fax:

Received: Sep 16, 2022 5:10 PM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Organophosphorus Pesticides	Polychlorinated Biphenyls	Acid Herbicides	Metals M8	Phenols (Speciated)	BTEX	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																		X					X			X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
116	TP231_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040994					X																
117	TP224_0.0-0.1	Sep 15, 2022		Soil	S22-Se0040995		X												X			X				
118	TP224_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040996					X																
119	TP223_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040997					X																
120	TP223_0.5-0.6	Sep 15, 2022		Soil	S22-Se0040998					X																
121	TP208_0.3-0.4	Sep 15, 2022		Soil	S22-Se0040999					X																
122	TP208_0.5-0.6	Sep 15, 2022		Soil	S22-Se0041000					X																
123	TP208_2.9-3.0	Sep 15, 2022		Soil	S22-Se0041001					X																
124	TP083_0.3-0.4	Sep 15, 2022		Soil	S22-Se0041002					X																
125	20220915_QC 02LW	Sep 15, 2022		Soil	S22-Se0041003					X																
126	20220915_QC 02ST	Sep 15, 2022		Soil	S22-Se0041004					X																
Test Counts						1	58	6	12	54	5	5	6	16	17	27	17	3	40	12	18	70	5	16	25	5

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	93			70-130	Pass	
Toluene	%	108			70-130	Pass	
Ethylbenzene	%	97			70-130	Pass	
m&p-Xylenes	%	70			70-130	Pass	
o-Xylene	%	107			70-130	Pass	
Xylenes - Total*	%	107			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N22-Se0032197	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	N22-Se0032197	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	N22-Se0032197	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	N22-Se0032197	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	N22-Se0032197	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	N22-Se0032197	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Quinn Raw	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: ST, LH
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 [illegible]3
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, 2 clay	Salinity/EC	CEC	ESP	pH	Sulfate/Chloride	BTEX				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP073_0-0.1	SOIL	15/04		Jar + Bag + Ice		X	X	X		X	X									X						* Asbestos
↓ _0.3-0.4				Jar + Ice		X		X		X	X															500ML
TP058_0.0-0.1				Jar + Bag + Ice		X	X																			NEPM/DOH
↓ _0.3-0.4				↓																						
↓ _0.4-0.5				Jar + Ice																						
TP059_0.0-0.1				Jar + Bag + Ice		X	X																			
↓ _0.3-0.4				Jar + Ice																						
TP074_0.0-0.1				Jar + Bag + Ice		X	X																			
↓ _0.3-0.4				↓																						
↓ _0.4-0.5				Jar + Ice																						
TP089_0.0-0.1				Jar + Bag + Ice		X	X	X		X	X	X	X							X						
↓ _0.3-0.4				↓																						
↓ _0.4-0.5				Jar + Ice																						
TP102_0.0-0.1				Jar + Bag + Ice																						
↓ _0.3-0.4				↓		X	X			X	X	X	X							X						
↓ _0.4-0.5				Jar + Ice																						
TP113_0.0-0.1				Jar + Bag + Ice																						
↓ _0.3-0.4				↓		X	X																			
↓ _0.5-0.6				Jar + Ice																						

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/04/22	CONSIGNMENT NOTE NO.	NAME: Bonnie Pin	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: 16/04/22 5:10pm	COOLER TEMP ..... deg C 8.6 # 924719
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7433
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

LABORATORY BATCH NO.:
SAMPLERS: ST, LH
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP e acid Herbicide	cyanide & phenols	CEC, pH, % Clay	Salinity & EC	CEC	ESP	PH	Sulfate & Chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP123 - 0.0 - 0.1	Soil	15/09		Jar + Bag + ice		X	X	X	X		X	X											
- 0.3 - 0.4				Jar + ice																			
- 0.4 - 0.5				↓		X		X	X		X	X											
TP124 - 0.0 - 0.1				Jar + Bag + ice		X	X																
- 0.3 - 0.4				Jar + ice																			
- 0.4 - 0.5				↓																			
TP125 - 0.0 - 0.1				Jar + Bag + ice		X	X																
- 0.3 - 0.4				Jar + ice																			
- 0.4 - 0.5				↓																			
TP126 - 0.0 - 0.1				Jar + Bag + ice		X	X	X	X		X	X	X										
- 0.3 - 0.4				↓																			
- 0.5 - 0.6				Jar + ice												X	X	X	X	X			
- 1.0 - 1.1																							
- 1.5 - 1.6																							
- 2.0 - 2.1																							
- 2.5 - 2.6				↓																			
TP044 - 0.0 - 0.1				Jar + Bag + ice		X	X	X	X		X	X											
- 0.3 - 0.4				↓																			
- 0.5 - 0.6	↓	↓		Jar + ice		X		X	X		X	X											

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

+1924719

Pg 5 of 7

Chain of Custody

JBS&G

PROJECT NO.: 62343 | LABORATORY BATCH NO.:

PROJECT NAME: Guntawong Rd DSI | SAMPLERS: ST, LH

DATE NEEDED BY: | QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 71

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & Phenols	CEC, pH, % Clay	Salinity, EC	CEC	ESP	pH	Sulfate & Chloride	TB2A	OPP	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP124_0.0-0.1	SOIL	15/09		Jar + Bag + ice		X	X																		
↓ _0.3-0.4	↓	↓		↓																					
↓ 0.4-0.5				Jar + ice																					
TP134_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				↓																					
↓ _0.4-0.5				Jar + ice																					
TP133_0.0-0.1				Jar + Bag + ice		X	X	X	X		X	X													
↓ _0.3-0.4				↓																					
↓ _0.4-0.5				Jar + ice		X	X	X	X		X	X													
TP135_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP144_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				↓																					
↓ _0.4-0.5				Jar + ice																					
SP06-01				Jar + Bag + ice										X							X	X			
SP ↓ -02				↓																	X	X			
↓ -03																					X	X			
↓ -04																					X	X			
↓ -05	↓	↓		↓																	X	X			

RELINQUISHED BY:

NAME: Serena Tran DATE: 15/09/22

OF: JBS&G

NAME. DATE:

OF.

METHOD OF SHIPMENT:

CONSIGNMENT NOTE NO.

TRANSPORT CO.

CONSIGNMENT NOTE NO.

TRANSPORT CO

RECEIVED BY:

NAME:

DATE:

OF:

NAME: DATE:

OF:

FOR RECEIVING LAB USE ONLY:

COOLER SEAL – Yes..... No ..... Intact ..... Broken .....

COOLER TEMP ..... deg C

COOLER SEAL – Yes..... No ..... Intact ..... Broken .....

COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

H 924719

pg 4 of 7

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY:
LABORATORY BATCH NO.:
SAMPLERS:
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7688
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) asmith@jbsg.com.au; (4) stran@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & phenols	CEC, pH, % clay	Salinity LEC	Rec.	ESP	pH	Sulfate & chloride	BTEX	JB2A	OPP	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
SP06-06	soil	15/09		Jar + Bag + Ice									X								X	X			
-07													X								X	X			
-08													X								X	X			
-09													X								X	X			
-10													X								X	X			
SP04-01													X								X	X			
-02																					X	X			
-03																					X	X			
SP03-01													X								X	X			
-02																					X	X			
-03																					X	X			
-04																					X	X			
-05																					X	X			
-06																					X	X			
SP02-01													X								X	X			
-02																					X	X			
-03																					X	X			
SP01-01													X								X	X			
-02																					X	X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#924719

Chain of Custody

1/3

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawang Rd DSI
DATE NEEDED BY:
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]3
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au

LABORATORY BATCH NO.:
SAMPLERS: DR + [illegible]
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, % clay	Salinity LEC	CEC	E.SP	pH	Sulfate & Chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP225_0-0.1	SOIL	15/09		Jar + Bag + ICE		X	X	X	X		X	X										
TP225_0.3-0.4				Jar + ICE																		
TP225_0.5-0.6				Jar + ICE																		
TP225_1-1.1				Jar + ICE											X	X	X	X	X			
TP225_2-2.1				Jar + ICE																		
TP225_2.9-3.0				Jar + ICE											X	X	X	X	X			
TP210_0-0.1				Jar + Bag + ICE		X	X															
TP210_0.3-0.4				Jar + ICE																		
TP210_0.5-0.6				Jar + ICE																		
TP196_0-0.1				Jar + Bag + ICE		X	X	X	X		X	X										
TP196_0.3-0.4				Jar + ICE																		
TP196_0.5-0.6				Jar + ICE																		
TP195_0-0.1				Jar + Bag + ICE		X	X															
TP195_0.3-0.4				Jar + ICE																		
TP209_0-0.1				Jar + Bag + ICE		X	X															
TP209_0.3-0.4				Jar + ICE																		
TP209_0.5-0.6				Jar + ICE																		

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

D924719

Pg 6 of 7

Chain of Custody

2/3

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Cuntawong Rd 051
DATE NEEDED BY:
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP / acid herbicides	cyanide & phenols	CEC, pH, Clay	Salinity / EC	CEC	ESP	PH	Sulfate & Chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP194_0-0.1	Soil	15/09		Jar + Bag + ICE		X	X	X	X		X	X													
TP194_0.3-0.4				Jar + ICE																					
TP230_0-0.1				J + B + I		X	X																		
TP230_0.3-0.4				J + I		X																			
TP226_0-0.1				J + B + I		X	X																		
TP226_0.3-0.4				J + I																					
TP233_0-0.1				J + B + I		X	X																		
TP233_0.3-0.4				J + I																					
TP232_0-0.1				J + B + I		X	X	X	X		X	X													
TP232_0.3-0.4				J + I																					
TP231_0-0.1				J + B + I		X	X																		
TP231_0.3-0.4				J + I																					
TP224_0-0.1				J + B + I																					
TP224_0.3-0.4				J + I		X	X																		
TP224_0.5-0.6				J + I																					
TP223_0-0.1				J + B + I		X	X																		
TP223_0.3-0.4				J + I																					
TP223_0.5-0.6				J + I																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#1 924719

pg 1 of 7

Chain of Custody

3/3

JBS&G

PROJECT NO.: 62434
PROJECT NAME: Guntawang Rd DSI
DATE NEEDED BY:
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]3
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au

LABORATORY BATCH NO.:
SAMPLERS: JT
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, Y-clay	Salinity/EC	CEC	ESP	pH	Sulfate & chloride	TB2A	OPP	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP208_0-0.1	SOIL	15/09		Jar+Bag+ICE		X	X									X	X	X	X	X					
TP208_0.3-0.4				J+1																					
TP208_0.5-0.6				J+1																					
TP208_1-1.1				J+1												X	X	X	X	X					
TP208_2-2.2				J+1												X	X	X	X	X					
TP208_2.9-3.0				J+1																					
TP083_0-0.1				J+B+1		X	X																		
TP083_0.3-0.4				J+B																					
[illegible]																									
[illegible]																									
20220915_QC01LW				J+B+1		X	X	X	X		X	X													
20220915_QC02LW				J+B+1																					
SP01-03				Jar+Bag+ice																X	X				
20220915_QC01ST						X	X	X	X		X	X													
20220915_QC02ST																									
TS/TB	water			vials+ice					X																

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Seneca DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Train	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#924719

Enviolab

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7[illegible]
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; ~~(3) asmith@jbsg.com.au~~; (4) stran@jbsg.com.au

LABORATORY BATCH NO.:
SAMPLERS: ST
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	Asbestos	TRH / PAH	BTEX	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & phenols	CEC, pH, 1:5 dw	Salinity / EC	CEC	ESP	PH	Sulfate & chloride	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
~~S [illegible]~~																							
20220915_QA01ST	soil	15/09		Jar + Bag ICE		X	X	X	X		X	X											
20220915_QA02ST	↓	↓		↓																			
20220915_QA01LW						X	X	X	X		X	X											
20220915_QA02LW	↓	↓		↓																			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 15/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011 2019 JBS&G Australia Pty Ltd

#924715

RE: Eurofins Sample Receipt Advice - Report 924719 : Site GUNTAWONG RD DSI (62343)

Serena Tran <stran@jbsg.com.au>

Wed 2022-09-21 8:42 AM

To: #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

Cc: Leah Hilliard <lhilliard@jbsg.com.au>;Sahani Gunatunge <SGunatunge@jbsg.com.au>

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Bonnie,

Please change the analysis of TP224_0.3-0.4 to TP224_0.0-0.1 and subsample TP123_0.0-0.1 for asbestos-4964. Thank you.

Regards,
Serena

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Tuesday, 20 September 2022 8:29 PM
To: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Cc: Leah Hilliard <lhilliard@jbsg.com.au>; Serena Tran <stran@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 924719 : Site GUNTAWONG RD DSI (62343)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Dear Valued Client,

Asbestos bags not received for samples with ASBWA analysis; TP123_0.0-0.1, TP133_0.4-0.5 and TP224_0.3-0.4 - their ASBWA has been cancelled.
Bags have been received for TP133_0.3-0.4 and TP224_0.0-0.1 instead. Please advise if you like to change the sample for analysis or subsample for asbestos-4964

4 x QA Samples were sent to Envirolab, please note QA02LW did not have a bag.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins | Environment Testing Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Bonnie Pu

Sample Receipt

Eurofins | Environmental Testing
Unit F3, Parkview Building
16 Mars Road
LANE COVE WEST NSW 2066
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:[http://]environment.eurofins.com.au

View our latest EnviroNotes
How did we do? Provide your feedback here

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG RD DSI
Project ID:	62343
Turnaround time:	3 Day
Date/Time received	Sep 16, 2022 5:10 PM
Eurofins reference	924719

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 8.6 degrees Celsius.
✓	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

4x QA Samples sent to Envirolab as per COC, please note QA02LW did not have a bag.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

Global Leader - Results you can trust

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **924721-S**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 19, 2022

Client Sample ID			**TP265_0-0.1**	**TP273_0-0.1**	**TP266_0-0.1**	**TP193_0-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Se0041038**	**S22-Se0041039**	**S22-Se0041040**	**S22-Se0041041**
Date Sampled			**Sep 16, 2022**	**Sep 16, 2022**	**Sep 16, 2022**	**Sep 16, 2022**
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	-	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
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	%	55	-	-	-
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	-	-	-

Client Sample ID			TP265_0-0.1	TP273_0-0.1	TP266_0-0.1	TP193_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041038	S22-Se0041039	S22-Se0041040	S22-Se0041041
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	100	-	-	-
p-Terphenyl-d14 (surr.)	1	%	105	-	-	-
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	%	97	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	107	-	-	-
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	-	-	-
Dibutylchlorendate (surr.)	1	%	97	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	107	-	-	-

Client Sample ID			TP265_0-0.1	TP273_0-0.1	TP266_0-0.1	TP193_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041038	S22-Se0041039	S22-Se0041040	S22-Se0041041
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	11	11	5.8	9.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	20	14	17
Copper	5	mg/kg	7.7	8.0	5.9	8.4
Lead	5	mg/kg	28	19	20	18
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.5	5.5	< 5	< 5
Zinc	5	mg/kg	15	18	14	5.1
% Moisture	1	%	23	18	23	16

Client Sample ID			TP207_0-0.1	TP222_0-0.1	TP146_0-0.1	TP156_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041042	S22-Se0041043	S22-Se0041044	S22-Se0041045
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
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	-
TRH >C16-C34	100	mg/kg	-	-	< 100	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	-
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	-

Client Sample ID			TP207_0-0.1	TP222_0-0.1	TP146_0-0.1	TP156_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041042	S22-Se0041043	S22-Se0041044	S22-Se0041045
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	81	-
p-Terphenyl-d14 (surr.)	1	%	-	-	82	-
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	%	-	-	101	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	83	-
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	-
Dibutylchlorendate (surr.)	1	%	-	-	101	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	83	-
Heavy Metals						
Arsenic	2	mg/kg	9.8	6.4	4.4	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	16	11	9.0	23
Copper	5	mg/kg	12	5.9	< 5	6.5

Client Sample ID			TP207_0-0.1	TP222_0-0.1	TP146_0-0.1	TP156_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041042	S22-Se0041043	S22-Se0041044	S22-Se0041045
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	18	12	11	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	6.5	< 5	< 5	12
% Moisture	1	%	17	16	21	19
% Clay	1	%	-	-	12	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	230	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	6.1	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	7.4	-

Client Sample ID			TP166_0-0.1	TP087_0-0.1	TP122_0.3-0.4	TP111_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041046	S22-Se0041047	S22-Se0041048	S22-Se0041049
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
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	%	-	-	92	-
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	-

Client Sample ID			TP166_0-0.1	TP087_0-0.1	TP122_0.3-0.4	TP111_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041046	S22-Se0041047	S22-Se0041048	S22-Se0041049
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	98	-	101	-
p-Terphenyl-d14 (surr.)	1	%	105	-	104	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	95	-	107	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	107	-
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	-

Client Sample ID			TP166_0-0.1	TP087_0-0.1	TP122_0.3-0.4	TP111_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041046	S22-Se0041047	S22-Se0041048	S22-Se0041049
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	95	-	107	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	107	-
Heavy Metals						
Arsenic	2	mg/kg	17	14	16	11
Cadmium	0.4	mg/kg	< 0.4	0.5	2.1	3.8
Chromium	5	mg/kg	30	31	26	22
Copper	5	mg/kg	9.3	11	17	11
Lead	5	mg/kg	24	38	52	83
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.9	7.3	< 5	< 5
Zinc	5	mg/kg	15	19	16	16
% Moisture	1	%	19	19	20	20
% Clay	1	%	7.5	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	77	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	6.2	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	5.4	-	-	-

Client Sample ID			TP100_0-0.1	TP100_0.4-0.5	TP132_0-0.1	TP155_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041050	S22-Se0041051	S22-Se0041052	S22-Se0041053
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	82	95	-	-

Client Sample ID			TP100_0-0.1	TP100_0.4-0.5	TP132_0-0.1	TP155_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041050	S22-Se0041051	S22-Se0041052	S22-Se0041053
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
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	%	100	102	-	-
p-Terphenyl-d14 (surr.)	1	%	105	107	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	-
a-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
b-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
d-HCH	0.05	mg/kg	< 0.05	< 0.05	-	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	107	97	-	-
Tetrachloro-m-xylene (surr.)	1	%	105	110	-	-

Client Sample ID			TP100_0-0.1	TP100_0.4-0.5	TP132_0-0.1	TP155_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041050	S22-Se0041051	S22-Se0041052	S22-Se0041053
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-	-
Dibutylchlorendate (surr.)	1	%	107	97	-	-
Tetrachloro-m-xylene (surr.)	1	%	105	110	-	-
Heavy Metals						
Arsenic	2	mg/kg	14	16	17	14
Cadmium	0.4	mg/kg	6.7	6.4	< 0.4	< 0.4
Chromium	5	mg/kg	32	30	30	24
Copper	5	mg/kg	39	34	11	7.8
Lead	5	mg/kg	120	25	29	24
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.1	11	10	< 5
Zinc	5	mg/kg	34	47	36	10
% Moisture	1	%	29	23	12	18

Client Sample ID			TP143_0-0.1	TP272_0.3-0.4	TP039_0-0.1	TP068_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041054	S22-Se0041055	S22-Se0041056	S22-Se0041057
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	53	71	-

Client Sample ID			TP143_0-0.1	TP272_0.3-0.4	TP039_0-0.1	TP068_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041054	S22-Se0041055	S22-Se0041056	S22-Se0041057
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
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	%	-	99	106	-
p-Terphenyl-d14 (surr.)	1	%	-	102	110	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	97	106	-
Tetrachloro-m-xylene (surr.)	1	%	-	106	112	-

Client Sample ID			TP143_0-0.1	TP272_0.3-0.4	TP039_0-0.1	TP068_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041054	S22-Se0041055	S22-Se0041056	S22-Se0041057
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-
Dibutylchlorendate (surr.)	1	%	-	97	106	-
Tetrachloro-m-xylene (surr.)	1	%	-	106	112	-
Heavy Metals						
Arsenic	2	mg/kg	6.9	14	27	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	27	40	31
Copper	5	mg/kg	7.0	8.8	10	7.4
Lead	5	mg/kg	26	17	25	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	6.2	5.0	5.2
Zinc	5	mg/kg	14	17	14	16
% Moisture	1	%	21	20	14	16

Client Sample ID			TP084_0-0.1	TP069_0-0.1	TP054_0-0.1	TP054_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041058	S22-Se0041059	S22-Se0041060	S22-Se0041061
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-	-	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-
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	%	93	-	-	-

Client Sample ID			TP084_0-0.1	TP069_0-0.1	TP054_0-0.1	TP054_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041058	S22-Se0041059	S22-Se0041060	S22-Se0041061
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
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	%	83	-	-	-
p-Terphenyl-d14 (surr.)	1	%	85	-	-	-
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	%	95	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-

Client Sample ID			TP084_0-0.1	TP069_0-0.1	TP054_0-0.1	TP054_0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041058	S22-Se0041059	S22-Se0041060	S22-Se0041061
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-	-	-
Dibutylchlorendate (surr.)	1	%	95	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	11	11	23	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	27	31	50	-
Copper	5	mg/kg	7.2	5.1	7.0	-
Lead	5	mg/kg	19	18	23	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	5.4	< 5	< 5	-
Zinc	5	mg/kg	13	7.8	7.8	-
% Moisture	1	%	17	16	19	20
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	46	200
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	5.7	5.5
Chloride	10	mg/kg	-	-	110	350
Salinity (determined from EC)*	20	mg/kg	-	-	< 20	34
Sulphate (as SO4)	10	mg/kg	-	-	140	< 10
Exchangeable Sodium Percentage (ESP)	0.1	%	-	-	20	26
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	-	2.3	9.4

Client Sample ID			TP040_0-0.1	20220916_QC01LW	TP239_0-0.1	TP241_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041062	S22-Se0041063	S22-Se0041064	S22-Se0041065
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-	-
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-
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	-	-
TRH >C16-C34	100	mg/kg	-	< 100	-	-

Client Sample ID			TP040_0-0.1	20220916_QC01LW	TP239_0-0.1	TP241_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041062	S22-Se0041063	S22-Se0041064	S22-Se0041065
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	%	-	109	-	-
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	%	-	81	-	-
p-Terphenyl-d14 (surr.)	1	%	-	86	-	-
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	-	-

Client Sample ID			TP040_0-0.1	20220916_QC01LW	TP239_0-0.1	TP241_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041062	S22-Se0041063	S22-Se0041064	S22-Se0041065
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	100	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	89	-	-
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	-	-
Dibutylchlorendate (surr.)	1	%	-	100	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	89	-	-
Heavy Metals						
Arsenic	2	mg/kg	17	17	4.9	3.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	31	30	9.3	10
Copper	5	mg/kg	9.3	7.2	14	7.0
Lead	5	mg/kg	18	13	17	9.2
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	5.4	< 5
Zinc	5	mg/kg	16	9.5	25	6.0
% Moisture	1	%	19	18	31	21

Client Sample ID			TP238_0-0.1	TP026_0-0.1	TP013_0-0.1	TP243_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041066	S22-Se0041067	S22-Se0041068	S22-Se0041069
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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	-
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP238_0-0.1	TP026_0-0.1	TP013_0-0.1	TP243_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041066	S22-Se0041067	S22-Se0041068	S22-Se0041069
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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	-
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	%	-	-	98	-
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	%	-	-	84	-
p-Terphenyl-d14 (surr.)	1	%	-	-	80	-
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	-

Client Sample ID			TP238_0-0.1	TP026_0-0.1	TP013_0-0.1	TP243_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041066	S22-Se0041067	S22-Se0041068	S22-Se0041069
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	-	107	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	86	-
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	-
Dibutylchlorendate (surr.)	1	%	-	-	107	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	86	-
Heavy Metals						
Arsenic	2	mg/kg	9.6	4.3	4.6	4.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	8.4	9.9	10
Copper	5	mg/kg	6.3	12	7.9	6.7
Lead	5	mg/kg	11	13	11	11
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	6.0	< 5	< 5
Zinc	5	mg/kg	< 5	19	9.2	6.4
% Moisture	1	%	16	20	14	18

Client Sample ID			TP221_0-0.1	TP206_0-0.1	TP192_0-0.1	TP181_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041070	S22-Se0041071	S22-Se0041072	S22-Se0041073
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
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
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
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
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	%	-	-	-	89
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	%	-	-	-	85
p-Terphenyl-d14 (surr.)	1	%	-	-	-	85
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

Client Sample ID			TP221_0-0.1	TP206_0-0.1	TP192_0-0.1	TP181_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041070	S22-Se0041071	S22-Se0041072	S22-Se0041073
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	%	-	-	-	99
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	90
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
Dibutylchlorendate (surr.)	1	%	-	-	-	99
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	90
Heavy Metals						
Arsenic	2	mg/kg	16	9.3	7.0	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	24	15	11	26
Copper	5	mg/kg	13	9.0	7.0	8.1
Lead	5	mg/kg	28	20	14	23
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.9	< 5	< 5	6.5
Zinc	5	mg/kg	28	14	7.1	21
% Moisture	1	%	20	23	18	20

Client Sample ID			TP182_0-0.1	TP271_0-0.1	TP270_0-0.1	TP173_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041074	S22-Se0041075	S22-Se0041076	S22-Se0041077
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.9	7.4	5.4	8.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	16	15	10	18
Copper	5	mg/kg	11	5.4	6.7	18
Lead	5	mg/kg	19	19	17	130
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	6.6	< 5	< 5	15
Zinc	5	mg/kg	14	10	8.6	95
% Moisture	1	%	22	23	27	23

Client Sample ID			TP197_0-0.1	TP197_0.4-0.5	SP05_01	SP05_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041078	S22-Se0041079	S22-Se0041080	S22-Se0041081
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	94	110	104	99
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP197_0-0.1	TP197_0.4-0.5	SP05_01	SP05_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041078	S22-Se0041079	S22-Se0041080	S22-Se0041081
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	79	91	81	131
p-Terphenyl-d14 (surr.)	1	%	77	71	86	140
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	105	72	96	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	84	83	88	142
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			TP197_0-0.1	TP197_0.4-0.5	SP05_01	SP05_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041078	S22-Se0041079	S22-Se0041080	S22-Se0041081
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	105	72	96	[Q09]INT
Tetrachloro-m-xylene (surr.)	1	%	84	83	88	142
Heavy Metals						
Arsenic	2	mg/kg	5.2	10	7.9	17
Cadmium	0.4	mg/kg	0.9	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	16	14	30
Copper	5	mg/kg	35	16	14	17
Lead	5	mg/kg	540	13	18	32
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	28	5.5	8.6	8.3
Zinc	5	mg/kg	140	18	37	40
% Moisture	1	%	21	19	17	20
Cyanide (total)	1	mg/kg	-	-	< 1	< 1
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	-	< 2	< 2
Demeton-S	0.2	mg/kg	-	-	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	-	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	-	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	-	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	-	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	-	< 0.2	< 0.2
EPN	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	-	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	-	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	-	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	-	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	-	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	-	< 2	< 2
Naled	0.2	mg/kg	-	-	< 0.2	< 0.2
Omethoate	2	mg/kg	-	-	< 2	< 2
Phorate	0.2	mg/kg	-	-	< 0.2	< 0.2
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

Client Sample ID			TP197_0-0.1	TP197_0.4-0.5	SP05_01	SP05_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041078	S22-Se0041079	S22-Se0041080	S22-Se0041081
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	-	-	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	104	148
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	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	%	-	-	99	[Q09]INT
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	< 20

Client Sample ID			SP05_03	20220916_QC01ST	TP222_0.3-0.4
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041082	S22-Se0041083	S22-Se0041090
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	20	mg/kg	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-

Client Sample ID			SP05_03	20220916_QC01ST	TP222_0.3-0.4
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041082	S22-Se0041083	S22-Se0041090
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit			
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	%	85	97	-
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	%	79	81	-
p-Terphenyl-d14 (surr.)	1	%	80	73	-
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	-

Client Sample ID			SP05_03	20220916_QC01ST	TP222_0.3-0.4
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041082	S22-Se0041083	S22-Se0041090
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit			
Organochlorine Pesticides					
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	96	[Q09]INT	-
Tetrachloro-m-xylene (surr.)	1	%	88	86	-
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	-
Dibutylchlorendate (surr.)	1	%	96	[Q09]INT	-
Tetrachloro-m-xylene (surr.)	1	%	88	86	-
Heavy Metals					
Arsenic	2	mg/kg	14	< 2	10
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	< 5	17
Copper	5	mg/kg	21	< 5	16
Lead	5	mg/kg	21	< 5	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.9	< 5	9.1
Zinc	5	mg/kg	42	< 5	17
% Moisture	1	%	17	25	22
Cyanide (total)	1	mg/kg	< 1	-	-
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	-	-

Client Sample ID			SP05_03	20220916_QC01ST	TP222_0.3-0.4
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S22-Se0041082	S22-Se0041083	S22-Se0041090
Date Sampled			Sep 16, 2022	Sep 16, 2022	Sep 16, 2022
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
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	%	95	-	-
Phenols (Halogenated)					
2-Chlorophenol	0.5	mg/kg	< 0.5	-	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-	-
2.4.5-Trichlorophenol	1	mg/kg	< 1	-	-
2.4.6-Trichlorophenol	1	mg/kg	< 1	-	-
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	< 1	-	-
Pentachlorophenol	1	mg/kg	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	< 1	-	-
Phenols (non-Halogenated)					
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-	-
2-Nitrophenol	1	mg/kg	< 1	-	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-	-
2.4-Dinitrophenol	5	mg/kg	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-	-
Total cresols*	0.5	mg/kg	< 0.5	-	-
4-Nitrophenol	5	mg/kg	< 5	-	-
Dinoseb	20	mg/kg	< 20	-	-
Phenol	0.5	mg/kg	< 0.5	-	-
Phenol-d6 (surr.)	1	%	95	-	-
Total Non-Halogenated Phenol*	20	mg/kg	< 20	-	-

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
JBS&G Suite 2			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Polychlorinated Biphenyls	Sydney	Sep 23, 2022	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Metals M8	Sydney	Sep 26, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Sep 20, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			
% Clay	Brisbane	Sep 26, 2022	14 Days
- Method: LTM-GEN-7040			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Sep 23, 2022	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Chloride	Sydney	Sep 23, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
Salinity (determined from EC)*	Sydney	Sep 23, 2022	28 Days
- Method: LTM-INO-4030			
Sulphate (as SO4)	Sydney	Sep 23, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
Cyanide (total)	Sydney	Sep 22, 2022	14 Days
- Method: E054 Total Cyanide			
Organophosphorus Pesticides	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Sep 26, 2022	7 Days
- Method: LTM-INO-4030 Conductivity			
Exchangeable Sodium Percentage (ESP)	Melbourne	Sep 26, 2022	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
Cation Exchange Capacity	Melbourne	Sep 26, 2022	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
Phenols (Halogenated)	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Sep 22, 2022	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP265_0-0.1	Sep 16, 2022		Soil	S22-Se0041038			X							X		X		X	X	X		X			
2	TP273_0-0.1	Sep 16, 2022		Soil	S22-Se0041039			X									X				X					
3	TP266_0-0.1	Sep 16, 2022		Soil	S22-Se0041040			X									X				X					
4	TP193_0-0.1	Sep 16, 2022		Soil	S22-Se0041041			X									X				X					
5	TP207_0-0.1	Sep 16, 2022		Soil	S22-Se0041042		X										X				X					
6	TP222_0-0.1	Sep 16, 2022		Soil	S22-Se0041043			X									X				X					
7	TP146_0-0.1	Sep 16, 2022		Soil	S22-Se0041044	X		X				X			X		X			X	X	X	X			
8	TP156_0-0.1	Sep 16, 2022		Soil	S22-Se0041045			X									X				X					
9	TP166_0-0.1	Sep 16, 2022		Soil	S22-Se0041046	X		X				X			X		X			X	X	X	X			
10	TP087_0-0.1	Sep 16, 2022		Soil	S22-Se0041047			X									X				X					
11	TP122_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041048			X							X		X			X	X		X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
12	TP111_0-0.1	Sep 16, 2022		Soil	S22-Se0041049			X									X				X					
13	TP100_0-0.1	Sep 16, 2022		Soil	S22-Se0041050			X							X		X		X	X	X		X			
14	TP100_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041051										X		X		X	X	X		X			
15	TP132_0-0.1	Sep 16, 2022		Soil	S22-Se0041052			X									X				X					
16	TP155_0-0.1	Sep 16, 2022		Soil	S22-Se0041053			X									X				X					
17	TP143_0-0.1	Sep 16, 2022		Soil	S22-Se0041054			X									X				X					
18	TP272_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041055			X							X		X		X	X	X		X			
19	TP039_0-0.1	Sep 16, 2022		Soil	S22-Se0041056			X							X		X		X	X	X		X			
20	TP068_0-0.1	Sep 16, 2022		Soil	S22-Se0041057			X									X				X					
21	TP084_0-0.1	Sep 16, 2022		Soil	S22-Se0041058			X							X		X		X	X	X		X			
22	TP069_0-0.1	Sep 16, 2022		Soil	S22-Se0041059			X									X				X					
23	TP054_0-0.1	Sep 16, 2022		Soil	S22-Se0041060			X	X			X	X	X			X				X	X				X
24	TP054_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041061				X			X	X	X							X	X				X
25	TP040_0-0.1	Sep 16, 2022		Soil	S22-Se0041062			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
26	20220916_QC 01LW	Sep 16, 2022		Soil	S22-Se0041063			X							X		X		X	X	X		X			
27	TP239_0-0.1	Sep 16, 2022		Soil	S22-Se0041064			X									X				X					
28	TP241_0-0.1	Sep 16, 2022		Soil	S22-Se0041065			X									X				X					
29	TP238_0-0.1	Sep 16, 2022		Soil	S22-Se0041066			X									X				X					
30	TP026_0-0.1	Sep 16, 2022		Soil	S22-Se0041067			X									X				X					
31	TP013_0-0.1	Sep 16, 2022		Soil	S22-Se0041068			X							X		X		X	X	X		X			
32	TP243_0-0.1	Sep 16, 2022		Soil	S22-Se0041069			X									X				X					
33	TP221_0-0.1	Sep 16, 2022		Soil	S22-Se0041070			X									X				X					
34	TP206_0-0.1	Sep 16, 2022		Soil	S22-Se0041071			X									X				X					
35	TP192_0-0.1	Sep 16, 2022		Soil	S22-Se0041072			X									X				X					
36	TP181_0-0.1	Sep 16, 2022		Soil	S22-Se0041073			X							X		X		X	X	X		X			
37	TP182_0-0.1	Sep 16, 2022		Soil	S22-Se0041074			X									X				X					
38	TP271_0-0.1	Sep 16, 2022		Soil	S22-Se0041075			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
39	TP270_0-0.1	Sep 16, 2022		Soil	S22-Se0041076			X									X				X					
40	TP173_0-0.1	Sep 16, 2022		Soil	S22-Se0041077			X									X				X					
41	TP197_0-0.1	Sep 16, 2022		Soil	S22-Se0041078			X							X		X		X	X	X		X			
42	TP197_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041079		X								X		X		X	X	X		X			
43	SP05_01	Sep 16, 2022		Soil	S22-Se0041080			X		X						X		X			X			X		
44	SP05_02	Sep 16, 2022		Soil	S22-Se0041081			X		X						X		X			X			X		
45	SP05_03	Sep 16, 2022		Soil	S22-Se0041082			X		X						X		X			X			X		
46	20220916_QC 01ST	Sep 16, 2022		Soil	S22-Se0041083			X							X		X		X	X	X		X			
47	TP265_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041084						X															
48	TP273_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041085						X															
49	TP266_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041086						X															
50	TP193_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041087						X															
51	TP207_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041088						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
52	TP207_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041089						X															
53	TP222_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041090												X				X					
54	TP146_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041091						X															
55	TP156_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041092						X															
56	TP166_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041093						X															
57	TP087_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041094						X															
58	TP122_0-0.1	Sep 16, 2022		Soil	S22-Se0041095						X															
59	TP122_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041096						X															
60	TP111_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041097						X															
61	TP100_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041098						X															
62	TP132_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041099						X															
63	TP155_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041100						X															
64	TP143_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041101						X															
65	TP272_0-0.1	Sep 16, 2022		Soil	S22-Se0041102						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
66	TP272_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041103						X															
67	TP039_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041104						X															
68	TP068_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041105						X															
69	TP084_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041106						X															
70	TP069_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041107						X															
71	TP040_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041108						X															
72	TP239_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041109						X															
73	TP241_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041110						X															
74	TP238_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041111						X															
75	TP026_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041112						X															
76	TP013_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041113						X															
77	TP243_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041114						X															
78	TP221_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041115						X															
79	TP206_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041116						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
80	TP192_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041117						X															
81	TP181_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041118						X															
82	TP182_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041119						X															
83	TP271_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041120						X															
84	TP270_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041121						X															
85	TP173_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041122						X															
86	TP173_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041123						X															
87	TP197_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041124						X															
88	TP276_0-0.1	Sep 16, 2022		Soil	S22-Se0041336						X															
89	TP276_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041337						X															
90	TP222_0-0.1 DUPLICATE	Sep 16, 2022		Soil	S22-Se0041626						X															
91	TS	Sep 16, 2022		Water	S22-Se0041627																				X	
92	TB	Sep 16, 2022		Water	S22-Se0041628														X							

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794	X																				
Test Counts	2	2	42	2	3	43	4	2	2	15	3	43	3	14	15	47	4	15	3	1	2

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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	
Total PAH*	mg/kg	-			0.5	N/A	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
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	
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							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Chloride	mg/kg	< 10			10	Pass	
Sulphate (as SO4)	mg/kg	< 10			10	Pass	
Cyanide (total)	mg/kg	< 1			1	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
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	
Total Non-Halogenated Phenol*	mg/kg	< 0			20	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	114			70-130	Pass	
TRH C10-C14	%	83			70-130	Pass	
Naphthalene	%	75			70-130	Pass	
TRH C6-C10	%	116			70-130	Pass	
TRH >C10-C16	%	72			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	98			70-130	Pass	
Toluene	%	99			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
m&p-Xylenes	%	110			70-130	Pass	
o-Xylene	%	110			70-130	Pass	
Xylenes - Total*	%	110			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	100			70-130	Pass	
Acenaphthylene	%	100			70-130	Pass	
Anthracene	%	105			70-130	Pass	
Benz(a)anthracene	%	107			70-130	Pass	
Benzo(a)pyrene	%	104			70-130	Pass	
Benzo(b&j)fluoranthene	%	108			70-130	Pass	
Benzo(g.h.i)perylene	%	88			70-130	Pass	
Benzo(k)fluoranthene	%	107			70-130	Pass	
Chrysene	%	101			70-130	Pass	
Dibenz(a.h)anthracene	%	99			70-130	Pass	
Fluoranthene	%	106			70-130	Pass	
Fluorene	%	102			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	100			70-130	Pass	
Naphthalene	%	100			70-130	Pass	
Phenanthrene	%	102			70-130	Pass	
Pyrene	%	107			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	105			70-130	Pass	
4.4'-DDD	%	104			70-130	Pass	
4.4'-DDE	%	103			70-130	Pass	
4.4'-DDT	%	105			70-130	Pass	
a-HCH	%	102			70-130	Pass	
Aldrin	%	90			70-130	Pass	
b-HCH	%	104			70-130	Pass	
d-HCH	%	104			70-130	Pass	
Dieldrin	%	113			70-130	Pass	
Endosulfan I	%	117			70-130	Pass	
Endosulfan II	%	96			70-130	Pass	
Endosulfan sulphate	%	103			70-130	Pass	
Endrin	%	100			70-130	Pass	
Endrin aldehyde	%	102			70-130	Pass	
Endrin ketone	%	97			70-130	Pass	
g-HCH (Lindane)	%	105			70-130	Pass	
Heptachlor	%	99			70-130	Pass	
Heptachlor epoxide	%	100			70-130	Pass	
Hexachlorobenzene	%	108			70-130	Pass	
Methoxychlor	%	100			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	91			70-130	Pass	
Aroclor-1260	%	89			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	105			80-120	Pass	
Cadmium	%	102			80-120	Pass	
Chromium	%	105			80-120	Pass	
Copper	%	107			80-120	Pass	
Lead	%	103			80-120	Pass	
Mercury	%	108			80-120	Pass	
Nickel	%	108			80-120	Pass	
Zinc	%	104			80-120	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chloride	%	112			70-130	Pass	
Sulphate (as SO4)	%	94			70-130	Pass	
Cyanide (total)	%	96			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	120			70-130	Pass	
Dimethoate	%	105			70-130	Pass	
Ethion	%	110			70-130	Pass	
Fenitrothion	%	110			70-130	Pass	
Methyl parathion	%	116			70-130	Pass	
Mevinphos	%	117			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	94			25-140	Pass	
2.4-Dichlorophenol	%	121			25-140	Pass	
2.4.5-Trichlorophenol	%	89			25-140	Pass	
2.4.6-Trichlorophenol	%	92			25-140	Pass	
2.6-Dichlorophenol	%	113			25-140	Pass	
4-Chloro-3-methylphenol	%	125			25-140	Pass	
Pentachlorophenol	%	76			25-140	Pass	
Tetrachlorophenols - Total	%	70			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Methyl-4.6-dinitrophenol	%	73			25-140	Pass	
2-Nitrophenol	%	127			25-140	Pass	
2.4-Dimethylphenol	%	121			25-140	Pass	
2-Methylphenol (o-Cresol)	%	105			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	112			25-140	Pass	
4-Nitrophenol	%	103			25-140	Pass	
Dinoseb	%	84			25-140	Pass	
Phenol	%	101			25-140	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH >C10-C16	S22-Se0035002	NCP	%	90			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S22-Se0032247	NCP	%	71			70-130	Pass	
4.4'-DDE	S22-Se0032247	NCP	%	70			70-130	Pass	
b-HCH	S22-Se0032247	NCP	%	64			70-130	Fail	Q08
d-HCH	S22-Se0032247	NCP	%	70			70-130	Pass	
Endosulfan I	S22-Se0032247	NCP	%	76			70-130	Pass	
Endrin	S22-Se0032247	NCP	%	76			70-130	Pass	
g-HCH (Lindane)	S22-Se0032247	NCP	%	85			70-130	Pass	
Heptachlor	S22-Se0032247	NCP	%	93			70-130	Pass	
Hexachlorobenzene	S22-Se0032247	NCP	%	70			70-130	Pass	
Methoxychlor	S22-Se0032247	NCP	%	97			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0041041	CP	%	110			75-125	Pass	
Cadmium	S22-Se0041041	CP	%	113			75-125	Pass	
Chromium	S22-Se0041041	CP	%	106			75-125	Pass	
Copper	S22-Se0041041	CP	%	105			75-125	Pass	
Lead	S22-Se0041041	CP	%	111			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury	S22-Se0041041	CP	%	112			75-125	Pass	
Nickel	S22-Se0041041	CP	%	104			75-125	Pass	
Zinc	S22-Se0041041	CP	%	105			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDD	S22-Se0043457	NCP	%	84			70-130	Pass	
4.4'-DDT	S22-Se0043457	NCP	%	81			70-130	Pass	
a-HCH	S22-Se0043457	NCP	%	82			70-130	Pass	
Aldrin	S22-Se0029851	NCP	%	77			70-130	Pass	
Dieldrin	S22-Se0043457	NCP	%	90			70-130	Pass	
Endosulfan II	S22-Se0043457	NCP	%	89			70-130	Pass	
Endosulfan sulphate	S22-Se0043457	NCP	%	81			70-130	Pass	
Endrin aldehyde	S22-Se0043457	NCP	%	92			70-130	Pass	
Endrin ketone	S22-Se0043457	NCP	%	102			70-130	Pass	
Heptachlor epoxide	S22-Se0043457	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S22-Se0043457	NCP	%	97			70-130	Pass	
Aroclor-1260	S22-Se0043457	NCP	%	90			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0041048	CP	%	100			70-130	Pass	
TRH C10-C14	S22-Se0041048	CP	%	71			70-130	Pass	
Naphthalene	S22-Se0041048	CP	%	80			70-130	Pass	
TRH C6-C10	S22-Se0041048	CP	%	104			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0041048	CP	%	88			70-130	Pass	
Toluene	S22-Se0041048	CP	%	84			70-130	Pass	
Ethylbenzene	S22-Se0041048	CP	%	101			70-130	Pass	
m&p-Xylenes	S22-Se0041048	CP	%	100			70-130	Pass	
o-Xylene	S22-Se0041048	CP	%	103			70-130	Pass	
Xylenes - Total*	S22-Se0041048	CP	%	101			70-130	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Se0038769	NCP	%	102			70-130	Pass	
Sulphate (as SO4)	S22-Se0038769	NCP	%	91			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0041072	CP	%	104			75-125	Pass	
Cadmium	S22-Se0041072	CP	%	96			75-125	Pass	
Chromium	S22-Se0041072	CP	%	105			75-125	Pass	
Copper	S22-Se0041072	CP	%	99			75-125	Pass	
Lead	S22-Se0041072	CP	%	98			75-125	Pass	
Mercury	S22-Se0041072	CP	%	101			75-125	Pass	
Nickel	S22-Se0041072	CP	%	99			75-125	Pass	
Zinc	S22-Se0041072	CP	%	99			75-125	Pass	
Spike - % Recovery									
				Result 1					
Cyanide (total)	S22-Se0040712	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S22-Se0043457	NCP	%	114			70-130	Pass	
Dimethoate	S22-Se0043457	NCP	%	98			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Ethion	S22-Se0043457	NCP	%	109			70-130	Pass	
Fenitrothion	S22-Se0043457	NCP	%	107			70-130	Pass	
Methyl parathion	S22-Se0043457	NCP	%	108			70-130	Pass	
Mevinphos	S22-Se0043457	NCP	%	111			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0041081	CP	%	87			70-130	Pass	
Naphthalene	S22-Se0041081	CP	%	83			70-130	Pass	
TRH C6-C10	S22-Se0041081	CP	%	87			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0041081	CP	%	84			70-130	Pass	
Toluene	S22-Se0041081	CP	%	86			70-130	Pass	
Ethylbenzene	S22-Se0041081	CP	%	87			70-130	Pass	
m&p-Xylenes	S22-Se0041081	CP	%	82			70-130	Pass	
o-Xylene	S22-Se0041081	CP	%	82			70-130	Pass	
Xylenes - Total*	S22-Se0041081	CP	%	82			70-130	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	S22-Se0041040	CP	mg/kg	5.8	7.2	22	30%	Pass	
Cadmium	S22-Se0041040	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0041040	CP	mg/kg	14	17	20	30%	Pass	
Copper	S22-Se0041040	CP	mg/kg	5.9	6.6	11	30%	Pass	
Lead	S22-Se0041040	CP	mg/kg	20	19	3.8	30%	Pass	
Mercury	S22-Se0041040	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0041040	CP	mg/kg	< 5	5.7	19	30%	Pass	
Zinc	S22-Se0041040	CP	mg/kg	14	14	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0041040	CP	%	23	20	15	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	M22-Se0051791	NCP	uS/cm	180	170	9.8	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	N22-Se0032736	NCP	pH Units	9.2	9.2	<1	30%	Pass	
Chloride	S22-Se0041044	CP	mg/kg	510	550	6.4	30%	Pass	
Sulphate (as SO4)	S22-Se0041044	CP	mg/kg	120	110	9.9	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0041046	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S22-Se0041046	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0041046	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0041046	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0041046	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S22-Se0041046	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0041046	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0041046	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0041046	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0041046	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0041046	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0041046	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1254	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0041046	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0041050	CP	mg/kg	14	14	<1	30%	Pass	
Cadmium	S22-Se0041050	CP	mg/kg	6.7	6.4	5.2	30%	Pass	
Chromium	S22-Se0041050	CP	mg/kg	32	32	<1	30%	Pass	
Copper	S22-Se0041050	CP	mg/kg	39	42	7.3	30%	Pass	
Lead	S22-Se0041050	CP	mg/kg	120	98	22	30%	Pass	
Mercury	S22-Se0041050	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0041050	CP	mg/kg	8.1	5.5	39	30%	Fail	Q15
Zinc	S22-Se0041050	CP	mg/kg	34	28	18	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0041050	CP	%	29	33	12	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Se0041055	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0041055	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0041055	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S22-Se0041055	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0041055	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0041055	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endosulfan II	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0041055	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0041055	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0041055	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0041059	CP	mg/kg	11	11	3.6	30%	Pass	
Cadmium	S22-Se0041059	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0041059	CP	mg/kg	31	27	13	30%	Pass	
Copper	S22-Se0041059	CP	mg/kg	5.1	< 5	2.1	30%	Pass	
Lead	S22-Se0041059	CP	mg/kg	18	16	6.3	30%	Pass	
Mercury	S22-Se0041059	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0041059	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0041059	CP	mg/kg	7.8	6.7	15	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0041060	CP	%	19	20	1.5	30%	Pass	
Chloride	S22-Se0038768	NCP	mg/kg	37	39	4.9	30%	Pass	
Salinity (determined from EC)*	S22-Se0050938	NCP	mg/kg	110	110	3.9	30%	Pass	
Sulphate (as SO4)	S22-Se0038768	NCP	mg/kg	320	320	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0041070	CP	mg/kg	16	12	29	30%	Pass	
Cadmium	S22-Se0041070	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0041070	CP	mg/kg	24	20	22	30%	Pass	
Copper	S22-Se0041070	CP	mg/kg	13	12	7.3	30%	Pass	
Lead	S22-Se0041070	CP	mg/kg	28	21	27	30%	Pass	
Mercury	S22-Se0041070	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0041070	CP	mg/kg	7.9	6.6	17	30%	Pass	
Zinc	S22-Se0041070	CP	mg/kg	28	22	25	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0041070	CP	%	20	21	5.2	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S22-Se0041071	CP	mg/kg	9.3	9.0	2.9	30%	Pass	
Cadmium	S22-Se0041071	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0041071	CP	mg/kg	15	14	6.5	30%	Pass	
Copper	S22-Se0041071	CP	mg/kg	9.0	8.7	3.0	30%	Pass	
Lead	S22-Se0041071	CP	mg/kg	20	20	2.1	30%	Pass	
Mercury	S22-Se0041071	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S22-Se0041071	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S22-Se0041071	CP	mg/kg	14	12	19	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0041078	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S22-Se0041078	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S22-Se0041078	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S22-Se0041078	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	S22-Se0041078	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S22-Se0041078	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S22-Se0041078	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S22-Se0041078	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S22-Se0041078	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0041078	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S22-Se0041078	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S22-Se0041078	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S22-Se0041078	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S22-Se0041078	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S22-Se0041078	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Dieldrin	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S22-Se0041080	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S22-Se0041080	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0041080	CP	%	17	14	19	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S22-Se0041080	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S22-Se0041080	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S22-Se0041080	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Pirimiphos-methyl	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	S22-Se0029850	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	S22-Se0029850	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	S22-Se0029850	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	S22-Se0029850	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	S22-Se0029850	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	S22-Se0029850	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	S22-Se0029850	NCP	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	S22-Se0029850	NCP	mg/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	S22-Se0041080	CP	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	S22-Se0041080	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Nitrophenol	S22-Se0041080	CP	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	S22-Se0041080	CP	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	S22-Se0041080	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	S22-Se0041080	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	S22-Se0041080	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	S22-Se0041080	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	S22-Se0041080	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
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.
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Quinn Raw	Analytical Services Manager
Chamath JHM Annakkage	Senior Analyst-Asbestos
Gabriele Cordero	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic
Scott Beddoes	Senior Analyst-Inorganic

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025–Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention:	Sahani Gunatunge
Report	924721-AID
Project Name	GUNTAWONG RD DSI
Project ID	62343
Received Date	Sep 19, 2022
Date Reported	Sep 28, 2022

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name GUNTAWONG RD DSI
Project ID 62343
Date Sampled Sep 16, 2022
Report 924721-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP265_0-0.1	22-Se0041038	Sep 16, 2022	Approximate Sample 797g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP273_0-0.1	22-Se0041039	Sep 16, 2022	Approximate Sample 707g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP266_0-0.1	22-Se0041040	Sep 16, 2022	Approximate Sample 621g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP193_0-0.1	22-Se0041041	Sep 16, 2022	Approximate Sample 761g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP207_0-0.1	22-Se0041042	Sep 16, 2022	Approximate Sample 48g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
TP222_0-0.1	22-Se0041043	Sep 16, 2022	Approximate Sample 601g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP146_0-0.1	22-Se0041044	Sep 16, 2022	Approximate Sample 508g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP156_0-0.1	22-Se0041045	Sep 16, 2022	Approximate Sample 618g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP166_0-0.1	22-Se0041046	Sep 16, 2022	Approximate Sample 715g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP087_0-0.1	22-Se0041047	Sep 16, 2022	Approximate Sample 655g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP122_0.3-0.4	22-Se0041048	Sep 16, 2022	Approximate Sample 543g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP111_0-0.1	22-Se0041049	Sep 16, 2022	Approximate Sample 549g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP100_0-0.1	22-Se0041050	Sep 16, 2022	Approximate Sample 355g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP132_0-0.1	22-Se0041052	Sep 16, 2022	Approximate Sample 640g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP155_0-0.1	22-Se0041053	Sep 16, 2022	Approximate Sample 590g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP143_0-0.1	22-Se0041054	Sep 16, 2022	Approximate Sample 501g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP272_0.3-0.4	22-Se0041055	Sep 16, 2022	Approximate Sample 511g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP039_0-0.1	22-Se0041056	Sep 16, 2022	Approximate Sample 703g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP068_0-0.1	22-Se0041057	Sep 16, 2022	Approximate Sample 615g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP084_0-0.1	22-Se0041058	Sep 16, 2022	Approximate Sample 818g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP069_0-0.1	22-Se0041059	Sep 16, 2022	Approximate Sample 739g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP054_0-0.1	22-Se0041060	Sep 16, 2022	Approximate Sample 698g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP040_0-0.1	22-Se0041062	Sep 16, 2022	Approximate Sample 529g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220916_QC01LW	22-Se0041063	Sep 16, 2022	Approximate Sample 675g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP239_0-0.1	22-Se0041064	Sep 16, 2022	Approximate Sample 681g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP241_0-0.1	22-Se0041065	Sep 16, 2022	Approximate Sample 653g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP238_0-0.1	22-Se0041066	Sep 16, 2022	Approximate Sample 753g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP026_0-0.1	22-Se0041067	Sep 16, 2022	Approximate Sample 645g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP013_0-0.1	22-Se0041068	Sep 16, 2022	Approximate Sample 527g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP243_0-0.1	22-Se0041069	Sep 16, 2022	Approximate Sample 680g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP221_0-0.1	22-Se0041070	Sep 16, 2022	Approximate Sample 580g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP206_0-0.1	22-Se0041071	Sep 16, 2022	Approximate Sample 678g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP192_0-0.1	22-Se0041072	Sep 16, 2022	Approximate Sample 712g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP181_0-0.1	22-Se0041073	Sep 16, 2022	Approximate Sample 827g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
TP182_0-0.1	22-Se0041074	Sep 16, 2022	Approximate Sample 694g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP271_0-0.1	22-Se0041075	Sep 16, 2022	Approximate Sample 778g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP270_0-0.1	22-Se0041076	Sep 16, 2022	Approximate Sample 1027g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP173_0-0.1	22-Se0041077	Sep 16, 2022	Approximate Sample 578g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP197_0-0.1	22-Se0041078	Sep 16, 2022	Approximate Sample 518g Sample consisted of: Brown fine-grained clayey soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
TP197_0.4-0.5	22-Se0041079	Sep 16, 2022	Approximate Sample 66g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
SP05_01	22-Se0041080	Sep 16, 2022	Approximate Sample 510g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP05_02	22-Se0041081	Sep 16, 2022	Approximate Sample 501g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP05_03	22-Se0041082	Sep 16, 2022	Approximate Sample 613g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20220916_QC01ST	22-Se0041083	Sep 16, 2022	Approximate Sample 537g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Sep 21, 2022	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Sep 21, 2022	Indefinite

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP265_0-0.1	Sep 16, 2022		Soil	S22-Se0041038			X							X		X		X	X	X		X			
2	TP273_0-0.1	Sep 16, 2022		Soil	S22-Se0041039			X									X				X					
3	TP266_0-0.1	Sep 16, 2022		Soil	S22-Se0041040			X									X				X					
4	TP193_0-0.1	Sep 16, 2022		Soil	S22-Se0041041			X									X				X					
5	TP207_0-0.1	Sep 16, 2022		Soil	S22-Se0041042		X										X				X					
6	TP222_0-0.1	Sep 16, 2022		Soil	S22-Se0041043			X									X				X					
7	TP146_0-0.1	Sep 16, 2022		Soil	S22-Se0041044	X		X				X			X		X			X	X	X	X			
8	TP156_0-0.1	Sep 16, 2022		Soil	S22-Se0041045			X									X				X					
9	TP166_0-0.1	Sep 16, 2022		Soil	S22-Se0041046	X		X				X			X		X			X	X	X	X			
10	TP087_0-0.1	Sep 16, 2022		Soil	S22-Se0041047			X									X				X					
11	TP122_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041048			X							X		X			X	X		X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
12	TP111_0-0.1	Sep 16, 2022		Soil	S22-Se0041049			X									X				X					
13	TP100_0-0.1	Sep 16, 2022		Soil	S22-Se0041050			X							X		X		X	X	X		X			
14	TP100_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041051										X		X		X	X	X		X			
15	TP132_0-0.1	Sep 16, 2022		Soil	S22-Se0041052			X									X				X					
16	TP155_0-0.1	Sep 16, 2022		Soil	S22-Se0041053			X									X				X					
17	TP143_0-0.1	Sep 16, 2022		Soil	S22-Se0041054			X									X				X					
18	TP272_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041055			X							X		X		X	X	X		X			
19	TP039_0-0.1	Sep 16, 2022		Soil	S22-Se0041056			X							X		X		X	X	X		X			
20	TP068_0-0.1	Sep 16, 2022		Soil	S22-Se0041057			X									X				X					
21	TP084_0-0.1	Sep 16, 2022		Soil	S22-Se0041058			X							X		X		X	X	X		X			
22	TP069_0-0.1	Sep 16, 2022		Soil	S22-Se0041059			X									X				X					
23	TP054_0-0.1	Sep 16, 2022		Soil	S22-Se0041060			X	X			X	X	X			X				X	X				X
24	TP054_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041061				X			X	X	X							X	X				X
25	TP040_0-0.1	Sep 16, 2022		Soil	S22-Se0041062			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
26	20220916_QC 01LW	Sep 16, 2022		Soil	S22-Se0041063			X							X		X		X	X	X		X			
27	TP239_0-0.1	Sep 16, 2022		Soil	S22-Se0041064			X									X				X					
28	TP241_0-0.1	Sep 16, 2022		Soil	S22-Se0041065			X									X				X					
29	TP238_0-0.1	Sep 16, 2022		Soil	S22-Se0041066			X									X				X					
30	TP026_0-0.1	Sep 16, 2022		Soil	S22-Se0041067			X									X				X					
31	TP013_0-0.1	Sep 16, 2022		Soil	S22-Se0041068			X							X		X		X	X	X		X			
32	TP243_0-0.1	Sep 16, 2022		Soil	S22-Se0041069			X									X				X					
33	TP221_0-0.1	Sep 16, 2022		Soil	S22-Se0041070			X									X				X					
34	TP206_0-0.1	Sep 16, 2022		Soil	S22-Se0041071			X									X				X					
35	TP192_0-0.1	Sep 16, 2022		Soil	S22-Se0041072			X									X				X					
36	TP181_0-0.1	Sep 16, 2022		Soil	S22-Se0041073			X							X		X		X	X	X		X			
37	TP182_0-0.1	Sep 16, 2022		Soil	S22-Se0041074			X									X				X					
38	TP271_0-0.1	Sep 16, 2022		Soil	S22-Se0041075			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
39	TP270_0-0.1	Sep 16, 2022		Soil	S22-Se0041076			X									X				X					
40	TP173_0-0.1	Sep 16, 2022		Soil	S22-Se0041077			X									X				X					
41	TP197_0-0.1	Sep 16, 2022		Soil	S22-Se0041078			X							X		X		X	X	X		X			
42	TP197_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041079		X								X		X		X	X	X		X			
43	SP05_01	Sep 16, 2022		Soil	S22-Se0041080			X		X						X		X			X			X		
44	SP05_02	Sep 16, 2022		Soil	S22-Se0041081			X		X						X		X			X			X		
45	SP05_03	Sep 16, 2022		Soil	S22-Se0041082			X		X						X		X			X			X		
46	20220916_QC 01ST	Sep 16, 2022		Soil	S22-Se0041083			X							X		X		X	X	X		X			
47	TP265_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041084						X															
48	TP273_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041085						X															
49	TP266_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041086						X															
50	TP193_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041087						X															
51	TP207_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041088						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
52	TP207_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041089						X															
53	TP222_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041090												X				X					
54	TP146_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041091						X															
55	TP156_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041092						X															
56	TP166_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041093						X															
57	TP087_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041094						X															
58	TP122_0-0.1	Sep 16, 2022		Soil	S22-Se0041095						X															
59	TP122_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041096						X															
60	TP111_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041097						X															
61	TP100_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041098						X															
62	TP132_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041099						X															
63	TP155_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041100						X															
64	TP143_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041101						X															
65	TP272_0-0.1	Sep 16, 2022		Soil	S22-Se0041102						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
66	TP272_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041103						X															
67	TP039_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041104						X															
68	TP068_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041105						X															
69	TP084_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041106						X															
70	TP069_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041107						X															
71	TP040_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041108						X															
72	TP239_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041109						X															
73	TP241_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041110						X															
74	TP238_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041111						X															
75	TP026_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041112						X															
76	TP013_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041113						X															
77	TP243_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041114						X															
78	TP221_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041115						X															
79	TP206_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041116						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
80	TP192_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041117						X															
81	TP181_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041118						X															
82	TP182_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041119						X															
83	TP271_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041120						X															
84	TP270_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041121						X															
85	TP173_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041122						X															
86	TP173_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041123						X															
87	TP197_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041124						X															
88	TP276_0-0.1	Sep 16, 2022		Soil	S22-Se0041336						X															
89	TP276_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041337						X															
90	TP222_0-0.1 DUPLICATE	Sep 16, 2022		Soil	S22-Se0041626						X															
91	TS	Sep 16, 2022		Water	S22-Se0041627																				X	
92	TB	Sep 16, 2022		Water	S22-Se0041628														X							

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 26, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794	X																				
Test Counts	2	2	42	2	3	43	4	2	2	15	3	43	3	14	15	47	4	15	3	1	2

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. Information identified on this report with the colour **orange** indicates sections of the report not covered by the laboratory's scope of NATA accreditation.
6. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%asbestos	Estimated percentage of asbestos in a given matrix. May be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**).
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".
AFM	Airborne Fibre Monitoring, e.g. by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total % w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average % w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

22-Se0041050: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

22-Se0041079 and 22-Se0041042: The samples received were not collected in an approved asbestos bag and was therefore sub-sampled from the 250mL glass jar. Valid sub-sampling procedures were applied so as to ensure that the sub-samples to be analysed accurately represented the samples received.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Chamath JHM Annakkage	Senior Analyst-Asbestos

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **924721-W**
Project name GUNTAWONG RD DSI
Project ID 62343
Received Date Sep 19, 2022

Client Sample ID			**TS**	**TB**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S22-Se0041627**	**S22-Se0041628**
Date Sampled			**Sep 16, 2022**	**Sep 16, 2022**
Test/Reference	LOR	Unit		
BTEX				
Benzene	1	%	86	-
Ethylbenzene	1	%	86	-
m&p-Xylenes	1	%	92	-
o-Xylene	1	%	90	-
Toluene	1	%	87	-
Xylenes - Total	1	%	91	-
4-Bromofluorobenzene (surr.)	1	%	86	-
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	70

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
JBS&G Suite 2			
BTEX	Sydney	Sep 23, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
External Laboratory																										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	TP265_0-0.1	Sep 16, 2022		Soil	S22-Se0041038			X							X		X		X	X	X		X			
2	TP273_0-0.1	Sep 16, 2022		Soil	S22-Se0041039			X									X				X					
3	TP266_0-0.1	Sep 16, 2022		Soil	S22-Se0041040			X									X				X					
4	TP193_0-0.1	Sep 16, 2022		Soil	S22-Se0041041			X									X				X					
5	TP207_0-0.1	Sep 16, 2022		Soil	S22-Se0041042		X										X				X					
6	TP222_0-0.1	Sep 16, 2022		Soil	S22-Se0041043			X									X				X					
7	TP146_0-0.1	Sep 16, 2022		Soil	S22-Se0041044	X		X				X			X		X			X	X	X	X			
8	TP156_0-0.1	Sep 16, 2022		Soil	S22-Se0041045			X									X				X					
9	TP166_0-0.1	Sep 16, 2022		Soil	S22-Se0041046	X		X				X			X		X			X	X	X	X			
10	TP087_0-0.1	Sep 16, 2022		Soil	S22-Se0041047			X									X				X					
11	TP122_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041048			X							X		X			X	X		X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
12	TP111_0-0.1	Sep 16, 2022		Soil	S22-Se0041049			X									X				X					
13	TP100_0-0.1	Sep 16, 2022		Soil	S22-Se0041050			X							X		X		X	X	X		X			
14	TP100_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041051										X		X		X	X	X		X			
15	TP132_0-0.1	Sep 16, 2022		Soil	S22-Se0041052			X									X				X					
16	TP155_0-0.1	Sep 16, 2022		Soil	S22-Se0041053			X									X				X					
17	TP143_0-0.1	Sep 16, 2022		Soil	S22-Se0041054			X									X				X					
18	TP272_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041055			X							X		X		X	X	X		X			
19	TP039_0-0.1	Sep 16, 2022		Soil	S22-Se0041056			X							X		X		X	X	X		X			
20	TP068_0-0.1	Sep 16, 2022		Soil	S22-Se0041057			X									X				X					
21	TP084_0-0.1	Sep 16, 2022		Soil	S22-Se0041058			X							X		X		X	X	X		X			
22	TP069_0-0.1	Sep 16, 2022		Soil	S22-Se0041059			X									X				X					
23	TP054_0-0.1	Sep 16, 2022		Soil	S22-Se0041060			X	X			X	X	X			X				X	X				X
24	TP054_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041061				X			X	X	X							X	X				X
25	TP040_0-0.1	Sep 16, 2022		Soil	S22-Se0041062			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
26	20220916_QC 01LW	Sep 16, 2022		Soil	S22-Se0041063			X							X		X		X	X	X		X			
27	TP239_0-0.1	Sep 16, 2022		Soil	S22-Se0041064			X									X				X					
28	TP241_0-0.1	Sep 16, 2022		Soil	S22-Se0041065			X									X				X					
29	TP238_0-0.1	Sep 16, 2022		Soil	S22-Se0041066			X									X				X					
30	TP026_0-0.1	Sep 16, 2022		Soil	S22-Se0041067			X									X				X					
31	TP013_0-0.1	Sep 16, 2022		Soil	S22-Se0041068			X							X		X		X	X	X		X			
32	TP243_0-0.1	Sep 16, 2022		Soil	S22-Se0041069			X									X				X					
33	TP221_0-0.1	Sep 16, 2022		Soil	S22-Se0041070			X									X				X					
34	TP206_0-0.1	Sep 16, 2022		Soil	S22-Se0041071			X									X				X					
35	TP192_0-0.1	Sep 16, 2022		Soil	S22-Se0041072			X									X				X					
36	TP181_0-0.1	Sep 16, 2022		Soil	S22-Se0041073			X							X		X		X	X	X		X			
37	TP182_0-0.1	Sep 16, 2022		Soil	S22-Se0041074			X									X				X					
38	TP271_0-0.1	Sep 16, 2022		Soil	S22-Se0041075			X									X				X					

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
39	TP270_0-0.1	Sep 16, 2022		Soil	S22-Se0041076			X									X				X					
40	TP173_0-0.1	Sep 16, 2022		Soil	S22-Se0041077			X									X				X					
41	TP197_0-0.1	Sep 16, 2022		Soil	S22-Se0041078			X							X		X		X	X	X		X			
42	TP197_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041079		X								X		X		X	X	X		X			
43	SP05_01	Sep 16, 2022		Soil	S22-Se0041080			X		X						X		X			X			X		
44	SP05_02	Sep 16, 2022		Soil	S22-Se0041081			X		X						X		X			X			X		
45	SP05_03	Sep 16, 2022		Soil	S22-Se0041082			X		X						X		X			X			X		
46	20220916_QC 01ST	Sep 16, 2022		Soil	S22-Se0041083			X							X		X		X	X	X		X			
47	TP265_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041084						X															
48	TP273_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041085						X															
49	TP266_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041086						X															
50	TP193_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041087						X															
51	TP207_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041088						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
52	TP207_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041089						X															
53	TP222_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041090												X				X					
54	TP146_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041091						X															
55	TP156_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041092						X															
56	TP166_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041093						X															
57	TP087_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041094						X															
58	TP122_0-0.1	Sep 16, 2022		Soil	S22-Se0041095						X															
59	TP122_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041096						X															
60	TP111_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041097						X															
61	TP100_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041098						X															
62	TP132_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041099						X															
63	TP155_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041100						X															
64	TP143_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041101						X															
65	TP272_0-0.1	Sep 16, 2022		Soil	S22-Se0041102						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
66	TP272_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041103						X															
67	TP039_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041104						X															
68	TP068_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041105						X															
69	TP084_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041106						X															
70	TP069_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041107						X															
71	TP040_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041108						X															
72	TP239_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041109						X															
73	TP241_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041110						X															
74	TP238_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041111						X															
75	TP026_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041112						X															
76	TP013_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041113						X															
77	TP243_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041114						X															
78	TP221_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041115						X															
79	TP206_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041116						X															

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																						X				X
Sydney Laboratory - NATA # 1261 Site # 18217							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794						X																				
80	TP192_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041117						X															
81	TP181_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041118						X															
82	TP182_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041119						X															
83	TP271_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041120						X															
84	TP270_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041121						X															
85	TP173_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041122						X															
86	TP173_0.4-0.5	Sep 16, 2022		Soil	S22-Se0041123						X															
87	TP197_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041124						X															
88	TP276_0-0.1	Sep 16, 2022		Soil	S22-Se0041336						X															
89	TP276_0.3-0.4	Sep 16, 2022		Soil	S22-Se0041337						X															
90	TP222_0-0.1 DUPLICATE	Sep 16, 2022		Soil	S22-Se0041626						X															
91	TS	Sep 16, 2022		Water	S22-Se0041627																				X	
92	TB	Sep 16, 2022		Water	S22-Se0041628														X							

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG RD DSI
Project ID: 62343

Order No.:
Report #: 924721
Phone: 02 8245 0300
Fax:

Received: Sep 19, 2022 11:10 AM
Due: Sep 23, 2022
Priority: 3 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - AS4964	Asbestos - WA guidelines	Chloride	Cyanide (total)	HOLD	pH (1:5 Aqueous extract at 25 °C as rec.)	Salinity (determined from EC)*	Sulphate (as SO4)	Polycyclic Aromatic Hydrocarbons	Organophosphorus Pesticides	Metals M8	Phenols (Speciated)	BTEX	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Total Recoverable Hydrocarbons	JBS&G Suite 2	BTEX	Exchangeable Sodium Percentage (ESP)
Melbourne Laboratory - NATA # 1261 Site # 1254																	X				X
Sydney Laboratory - NATA # 1261 Site # 18217		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Brisbane Laboratory - NATA # 1261 Site # 20794	X																				
Test Counts	2	2	42	2	3	43	4	2	2	15	3	43	3	14	15	47	4	15	3	1	2

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	84			70-130	Pass	
Toluene	%	84			70-130	Pass	
Ethylbenzene	%	84			70-130	Pass	
m&p-Xylenes	%	90			70-130	Pass	
o-Xylene	%	88			70-130	Pass	
Xylenes - Total*	%	89			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0040531	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S22-Se0040531	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S22-Se0040531	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Se0040531	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S22-Se0040531	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S22-Se0040531	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Quinn Raw	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 1711
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~; (4) stran@jbsg.com.au

LABORATORY BATCH NO.: #924721
SAMPLERS: ST, LH
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, % clay	BTEX	salinity/EC	CEC	ESP	pH	sulfate/chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP265_0.0-0.1	Soil	16/09		Jar + Bag + ice		X	X	X		X	X				X										* Asbestos 500mL NEPM/DOH
↓ _0.3-0.4				Jar + ice																					
TP273_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP266_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP103_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP207_0.0-0.1				Jar + Bag + ice		X	X																		
_0.3-0.4				Jar + ice																					
↓ _0.4-0.5				↓																					
TP272_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP146_0.0-0.1				Jar + Bag + ice		X	X	X		X	X			X											
↓ _0.3-0.4				Jar + ice																					
TP156_0.0-0.1				Jar + Bag + ice		X	X																		
↓ _0.3-0.4				Jar + ice																					
TP164_0.0-0.1				Jar + Bag + ice		X	X	X		X	X			X											
↓ _0.3-0.4				Jar + ice																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 16/09/22	CONSIGNMENT NOTE NO.	NAME: DATE: 19/9/22	COOLER SEAL – Yes ✓ No ..... Intact ✓ Broken .....
OF: JBS&G Tran	TRANSPORT CO.	OF: 11:10am	COOLER TEMP 2.0 deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DSI
DATE NEEDED BY: standard TAT
LABORATORY BATCH NO.: 92472
SAMPLERS: ST
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunatunge@jbsg.com.au; (3) ~~asmith@jbsg.com.au~~; (4) stran@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herb	CEC, pH, 2:1	BTEX	Salinity/EC	CEC	ESP	pH	Sulfate/chloride				TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP087_0.0-0.1	soil	16/09		Jar + Bag tice		X	X																	
↓ _0.3-0.4	↓	↓		Jar tice																				
TP122_0.0-0.1				Jar + Bag tice																				
_0.3-0.4				↓		X	X	X		X	X			X										
↓ _0.4-0.5				Jar tice																				
TP111_0.0-0.1				Jar + Bag tice		X	X																	
↓ _0.4-0.5				Jar tice																				
TP100_0.0-0.1				Jar + Bag tice		X	X	X		X	X			X										
_0.3-0.4				Jar tice																				
↓ _0.4-0.5				↓		X		X		X	X			X										
TP132_0.0-0.1				Jar + Bag tice		X	X																	
↓ _0.3-0.4				Jar tice																				
TP155_0.0-0.1				Jar + Bag tice		X	X																	
↓ _0.3-0.4				Jar tice																				
TP143_0.0-0.1				Jar + Bag tice		X	X																	
↓ _0.3-0.4				Jar tice																				
TP272_0.0-0.1				Jar + Bag tice																				
_0.3-0.4				↓		X	X	X		X	X			X										
↓ _0.4-0.5	↓	↓		Jar tice																				

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 16/09/22	CONSIGNMENT NOTE NO.	NAME: RP	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: 19/9	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

~~#3~~

JBS&G

PROJECT NO.: Cuntawong Rd OSI
PROJECT NAME: 62343
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.: 924721
SAMPLERS: OR + LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	Cyanide & phenols	CEC, pH, %clay	BTEX	salinity/EC	CEC	ESP	pH	Sulfate/chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP039_0-0.1	SOIL	16/09		Jar + Bag + ICE		X	X	X		X	X				X										
TP039_0.3-0.4				Jar + ICE																					
TP065_0-0.1				J + B + 1		X	X																		
TP068_0.3-0.4				J + 1																					
TP034_0-0.1				J + B + 1		X	X	X		X	X				X										
TP034_0.3-0.4				J + 1																					
TP069_0.0-0.1				J + B + 1		X	X																		
TP069_0.3-0.4				J + 1																					
TP054_0-0.1				J + B + 1		X	X									X	X	X	X	X					
TP054_0.3-0.4				J + 1												X	X	X	X	X					
TP040_0-0.1				J + B + 1		X	X																		
TP040_0.3-0.4				J + 1																					
20220916_QC01LW				J + B + 1		X	X	X		X	X				X										
TP239_0-0.1				J + B + 1		X	X																		
TP239_0.3-0.4				J + 1																					
TP241_0-0.1				J + B + 1		X	X																		
TP241_0.3-0.4				J + 1																					
TP238_0-0.1				J + B + 1		X	X																		
TP238_0.3-0.4				J + B + 1																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 16/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	DATE: RP 19/9	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

2/3

JBS&G

PROJECT NO.: E2343
PROJECT NAME: Guntawang Rd DSI
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.: 924721
SAMPLERS: DK
QC LEVEL: NEPM (2013) 4/1
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH %. Clay	BTEX	Salinity/EC	EC	ESP	pH	sulfate/chloride			TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP026_0-0.1	SOIL	16/09		Jar + Bag + ICE		X	X																		
TP026_0.3-0.4				Jar + ICE																					
TP013_0-0.1				J+B+I		X	X	X		X	X				X										
TP013_0.4-0.5				J+I																					
TP243_0-0.1				J+B+I		X	X																		
TP243_0.3-0.4				J+I																					
TP221_0-0.1				B+J+I		X	X																		
TP221_0.3-0.4				J+I																					
TP206_0-0.1				B+J+I		X	X																		
TP206_0.3-0.4				J+I																					
TP192_0-0.1				B+J+I		X	X																		
TP192_0.3-0.4				J+I																					
TP181_0-0.1				B+J+I		X	X	X		X	X				X										
TP181_0.3-0.4				J+I																					
TP162_0-0.1				B+J+I		X	X																		
TP162_0.3-0.4				J+I																					
TP271_0-0.1				B+J+I		X	X																		
TP271_0.3-0.4				J+I																					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 16/09/22	CONSIGNMENT NOTE NO.	NAME: DATE: 19/9	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tran	TRANSPORT CO.	OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Chain of Custody

3/3

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.: 924721
PROJECT NAME: Cantawong Rd DSI	SAMPLERS: DF, LW, ST, LH
DATE NEEDED BY: standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7137	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	Asbestos	TRH/PAH	VOC	PCB	OCP	OPP & acid herbicides	cyanide & phenols	CEC, pH, % clay	BTEX	Salinity/EC	CEC	ESP	pH	sulfate/chloride	UB2A	OPP	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP170-0-0.1	SOIL	16/9		Bag + Jar + ICE		X	X																		
TP170-0.3-0.4	↓	↓		Jar + ICE																					
TP173-0.0-0.1				Jar + Bag + ice		X	X																		
-0.3-0.4				Jar + ice																					
-0.4-0.5				↓		X	X																		
TP197-0.0-0.1				Jar + Bag + ice		X	X	X		X	X				X										
-0.3-0.4				Jar + ice																					
-0.4-0.5				↓		X		X		X	X				X										
SP05-01				Jar + Bag + ice								X									X	X			
-02												X									X	X			
-03				↓								X									X	X			
20220916-QC01ST	↓	↓		Jar + Bag + ice		X	X	X		X	X				X										

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Serena DATE: 16/09/22	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Tram	TRANSPORT CO.	DATE: RP 19/9	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG RD DSI
Project ID:	62343
Turnaround time:	3 Day
Date/Time received	Sep 19, 2022 11:10 AM
Eurofins reference	924721

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 2 degrees Celsius.
✓	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

Trip spike and blank samples added. TP222_0.3-0.4 to be analysed for metals. TP207_0-0.1 bag to be subsampled for metals

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **925644-W**
Project name GUNTAWONG ROAD
Project ID 62343
Received Date Sep 21, 2022

Client Sample ID			**SW01**	**SW02**	**SW03**	**SW04**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S22-Se0048562**	**S22-Se0048563**	**S22-Se0048564**	**S22-Se0048565**
Date Sampled			**Sep 20, 2022**	**Sep 20, 2022**	**Sep 20, 2022**	**Sep 20, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	0.09	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	0.08	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	0.08	< 0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
BTEX						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	89	84	82	90
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			SW01	SW02	SW03	SW04
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Se0048562	S22-Se0048563	S22-Se0048564	S22-Se0048565
Date Sampled			Sep 20, 2022	Sep 20, 2022	Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	82	66	68	77
p-Terphenyl-d14 (surr.)	1	%	121	127	126	130
Ammonia (as N)	0.01	mg/L	0.07	0.40	0.21	< 0.01
Conductivity (at 25 °C)	10	uS/cm	1100	610	350	430
Nitrate & Nitrite (as N)	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
Nitrate (as N)	0.02	mg/L	< 0.02	0.02	< 0.02	< 0.02
Nitrite (as N)	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
pH (at 25 °C)	0.1	pH Units	8.1	7.6	7.0	7.9
Phosphate total (as P)	0.01	mg/L	0.07	1.8	0.09	0.02
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	0.9	1.9	1.2	0.6
Total Nitrogen (as N)*	0.2	mg/L	0.9	1.9	1.2	0.6
Turbidity	1	NTU	4.9	390	17	7.5
Hardness mg equivalent CaCO3/L	5	mg/L	360	240	170	190
Alkali Metals						
Calcium	0.5	mg/L	43	50	32	51
Magnesium	0.5	mg/L	61	31	19	23
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	0.003	< 0.001	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	0.004	0.026	0.005	0.003
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	0.003	0.004	0.007	0.003
Zinc (filtered)	0.005	mg/L	< 0.005	< 0.005	< 0.005	0.025

Client Sample ID			SW05	SW06	RINSATE	TRIP SPIKE
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Se0048566	S22-Se0048567	S22-Se0048568	S22-Se0048569
Date Sampled			Sep 20, 2022	Sep 20, 2022	Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	0.2	-
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	0.2	-
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	-
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05	-
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	0.3	-

Client Sample ID			SW05	SW06	RINSATE	TRIP SPIKE
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Se0048566	S22-Se0048567	S22-Se0048568	S22-Se0048569
Date Sampled			Sep 20, 2022	Sep 20, 2022	Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	0.3	-
BTEX						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	-
4-Bromofluorobenzene (surr.)	1	%	88	89	87	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
2-Fluorobiphenyl (surr.)	1	%	76	111	105	-
p-Terphenyl-d14 (surr.)	1	%	130	131	141	-
Ammonia (as N)	0.01	mg/L	0.31	< 0.01	< 0.01	-
Conductivity (at 25 °C)	10	uS/cm	2400	610	-	-
Nitrate & Nitrite (as N)	0.05	mg/L	0.89	< 0.05	1.2	-
Nitrate (as N)	0.02	mg/L	0.85	0.03	1.2	-
Nitrite (as N)	0.02	mg/L	0.04	< 0.02	< 0.02	-
pH (at 25 °C)	0.1	pH Units	7.6	8.1	-	-
Phosphate total (as P)	0.01	mg/L	0.02	0.05	< 0.01	-
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	2.3	0.9	0.8	-
Total Nitrogen (as N)*	0.2	mg/L	3.19	0.9	2	-
Turbidity	1	NTU	22	5.5	-	-
Hardness mg equivalent CaCO3/L	5	mg/L	2100	240	-	-
Alkali Metals						
Calcium	0.5	mg/L	720	51	-	-
Magnesium	0.5	mg/L	44	26	-	-

Client Sample ID			SW05	SW06	RINSATE	TRIP SPIKE
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Se0048566	S22-Se0048567	S22-Se0048568	S22-Se0048569
Date Sampled			Sep 20, 2022	Sep 20, 2022	Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	0.001	mg/L	-	-	< 0.001	-
Arsenic (filtered)	0.001	mg/L	0.001	< 0.001	-	-
Cadmium	0.0002	mg/L	-	-	< 0.0002	-
Cadmium (filtered)	0.0002	mg/L	0.0003	< 0.0002	-	-
Chromium	0.001	mg/L	-	-	< 0.001	-
Chromium (filtered)	0.001	mg/L	0.005	< 0.001	-	-
Copper	0.001	mg/L	-	-	< 0.001	-
Copper (filtered)	0.001	mg/L	0.018	0.002	-	-
Lead	0.001	mg/L	-	-	< 0.001	-
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	-	-
Mercury	0.0001	mg/L	-	-	< 0.0001	-
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	-	-
Nickel	0.001	mg/L	-	-	< 0.001	-
Nickel (filtered)	0.001	mg/L	0.007	< 0.001	-	-
Zinc	0.005	mg/L	-	-	< 0.005	-
Zinc (filtered)	0.005	mg/L	2.4	< 0.005	-	-
BTEX						
Benzene	1	%	-	-	-	94
Ethylbenzene	1	%	-	-	-	91
m&p-Xylenes	1	%	-	-	-	100
o-Xylene	1	%	-	-	-	98
Toluene	1	%	-	-	-	97
Xylenes - Total	1	%	-	-	-	99
4-Bromofluorobenzene (surr.)	1	%	-	-	-	112

Client Sample ID			TRIP BLANK	QCW01
Sample Matrix			Water	Water
Eurofins Sample No.			S22-Se0048570	S22-Se0048571
Date Sampled			Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons				
TRH C6-C9	0.02	mg/L	-	< 0.02
TRH C10-C14	0.05	mg/L	-	< 0.05
TRH C15-C28	0.1	mg/L	-	< 0.1
TRH C29-C36	0.1	mg/L	-	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	-	< 0.1
Naphthalene[N02]	0.01	mg/L	-	< 0.01
TRH C6-C10	0.02	mg/L	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	-	< 0.02
TRH >C10-C16	0.05	mg/L	-	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	-	< 0.05
TRH >C16-C34	0.1	mg/L	-	< 0.1
TRH >C34-C40	0.1	mg/L	-	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	-	< 0.1

Client Sample ID			TRIP BLANK	QCW01
Sample Matrix			Water	Water
Eurofins Sample No.			S22-Se0048570	S22-Se0048571
Date Sampled			Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit		
BTEX				
Benzene	0.001	mg/L	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002
o-Xylene	0.001	mg/L	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	85	87
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	0.001	mg/L	-	< 0.001
Acenaphthylene	0.001	mg/L	-	< 0.001
Anthracene	0.001	mg/L	-	< 0.001
Benz(a)anthracene	0.001	mg/L	-	< 0.001
Benzo(a)pyrene	0.001	mg/L	-	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	-	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	-	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	-	< 0.001
Chrysene	0.001	mg/L	-	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	-	< 0.001
Fluoranthene	0.001	mg/L	-	< 0.001
Fluorene	0.001	mg/L	-	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	-	< 0.001
Naphthalene	0.001	mg/L	-	< 0.001
Phenanthrene	0.001	mg/L	-	< 0.001
Pyrene	0.001	mg/L	-	< 0.001
Total PAH*	0.001	mg/L	-	< 0.001
2-Fluorobiphenyl (surr.)	1	%	-	82
p-Terphenyl-d14 (surr.)	1	%	-	128
Ammonia (as N)	0.01	mg/L	-	0.02
Conductivity (at 25 °C)	10	uS/cm	-	600
Nitrate & Nitrite (as N)	0.05	mg/L	-	< 0.05
Nitrate (as N)	0.02	mg/L	-	0.03
Nitrite (as N)	0.02	mg/L	-	< 0.02
pH (at 25 °C)	0.1	pH Units	-	8.1
Phosphate total (as P)	0.01	mg/L	-	0.05
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	-	0.7
Total Nitrogen (as N)*	0.2	mg/L	-	0.7
Turbidity	1	NTU	-	5.9
Hardness mg equivalent CaCO3/L	5	mg/L	-	240
Alkali Metals				
Calcium	0.5	mg/L	-	50
Magnesium	0.5	mg/L	-	26
Heavy Metals				
Arsenic (filtered)	0.001	mg/L	-	< 0.001
Cadmium (filtered)	0.0002	mg/L	-	< 0.0002
Chromium (filtered)	0.001	mg/L	-	< 0.001
Copper (filtered)	0.001	mg/L	-	0.004
Lead (filtered)	0.001	mg/L	-	< 0.001
Mercury (filtered)	0.0001	mg/L	-	< 0.0001

Client Sample ID			TRIP BLANK	QCW01
Sample Matrix			Water	Water
Eurofins Sample No.			S22-Se0048570	S22-Se0048571
Date Sampled			Sep 20, 2022	Sep 20, 2022
Test/Reference	LOR	Unit		
Heavy Metals				
Nickel (filtered)	0.001	mg/L	-	< 0.001
Zinc (filtered)	0.005	mg/L	-	< 0.005

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Sep 27, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 27, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Sep 27, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Sep 27, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Sep 27, 2022	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8 filtered	Sydney	Sep 26, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B19D: Total N, TKN, NOx, NO2, NO3, NH3, Total P			
Ammonia (as N)	Melbourne	Sep 28, 2022	28 Days
- Method: APHA 4500-NH3 Ammonia Nitrogen by FIA			
Nitrate & Nitrite (as N)	Melbourne	Sep 28, 2022	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrate (as N)	Melbourne	Sep 28, 2022	28 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Nitrite (as N)	Melbourne	Sep 28, 2022	2 Days
- Method: LTM-INO-4120 Analysis of NOx NO2 NH3 by FIA			
Phosphate total (as P)	Sydney	Sep 27, 2022	28 Days
- Method: E052 Total Phosphate (as P)			
Total Kjeldahl Nitrogen (as N)	Melbourne	Sep 28, 2022	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Conductivity (at 25 °C)	Sydney	Sep 27, 2022	28 Days
- Method: LTM-INO-4030 Conductivity			
pH (at 25 °C)	Sydney	Sep 27, 2022	0 Hour
- Method: LTM-GEN-7090 pH in water by ISE			
Turbidity	Sydney	Sep 26, 2022	2 Days
- Method: LTM-INO-4140 Turbidity by Nephelometric Method			
Hardness Set			
Hardness mg equivalent CaCO3/L	Melbourne	Sep 28, 2022	28 Days
- Method: APHA 2340B Hardness by Calculation			
Alkali Metals	Sydney	Sep 26, 2022	180 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Metals M8	Sydney	Sep 26, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD
Project ID: 62343

Order No.:
Report #: 925644
Phone: 02 8245 0300
Fax:

Received: Sep 21, 2022 6:00 PM
Due: Sep 29, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Turbidity	BTEX	Hardness Set	Eurofins Suite B7	Eurofins Suite B7 (filtered metals)	Eurofins Suite B19D: Total N, TKN, NOx, NO2, NO3, NH3, Total P	BTEX
Melbourne Laboratory - NATA # 1261 Site # 1254										X			X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X
External Laboratory														
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**									
1	SW01	Sep 20, 2022		Water	S22-Se0048562	X	X	X		X		X	X	
2	SW02	Sep 20, 2022		Water	S22-Se0048563	X	X	X		X		X	X	
3	SW03	Sep 20, 2022		Water	S22-Se0048564	X	X	X		X		X	X	
4	SW04	Sep 20, 2022		Water	S22-Se0048565	X	X	X		X		X	X	
5	SW05	Sep 20, 2022		Water	S22-Se0048566	X	X	X		X		X	X	
6	SW06	Sep 20, 2022		Water	S22-Se0048567	X	X	X		X		X	X	
7	RINSATE	Sep 20, 2022		Water	S22-Se0048568						X		X	
8	TRIP SPIKE	Sep 20, 2022		Water	S22-Se0048569									X
9	TRIP BLANK	Sep 20, 2022		Water	S22-Se0048570				X					
10	QCW01	Sep 20, 2022		Water	S22-Se0048571	X	X	X		X		X	X	
Test Counts						7	7	7	1	7	1	7	8	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Ammonia (as N)	mg/L	< 0.01			0.01	Pass	
Conductivity (at 25 °C)	uS/cm	< 10			10	Pass	
Nitrate & Nitrite (as N)	mg/L	< 0.05			0.05	Pass	
Nitrate (as N)	mg/L	< 0.02			0.02	Pass	
Nitrite (as N)	mg/L	< 0.02			0.02	Pass	
Phosphate total (as P)	mg/L	< 0.01			0.01	Pass	
Total Kjeldahl Nitrogen (as N)	mg/L	< 0.2			0.2	Pass	
Turbidity	NTU	< 1			1	Pass	
Method Blank							
Alkali Metals							
Calcium	mg/L	< 0.5			0.5	Pass	
Magnesium	mg/L	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	88			70-130	Pass	
TRH C10-C14	%	81			70-130	Pass	
Naphthalene	%	98			70-130	Pass	
TRH C6-C10	%	96			70-130	Pass	
TRH >C10-C16	%	80			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	89			70-130	Pass	
Toluene	%	96			70-130	Pass	
Ethylbenzene	%	87			70-130	Pass	
m&p-Xylenes	%	99			70-130	Pass	
o-Xylene	%	98			70-130	Pass	
Xylenes - Total*	%	99			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	109			70-130	Pass	
Acenaphthylene	%	117			70-130	Pass	
Anthracene	%	122			70-130	Pass	
Benz(a)anthracene	%	130			70-130	Pass	
Benzo(a)pyrene	%	128			70-130	Pass	
Benzo(b&j)fluoranthene	%	126			70-130	Pass	
Benzo(g.h.i)perylene	%	92			70-130	Pass	
Benzo(k)fluoranthene	%	129			70-130	Pass	
Chrysene	%	130			70-130	Pass	
Dibenz(a.h)anthracene	%	130			70-130	Pass	
Fluoranthene	%	128			70-130	Pass	
Fluorene	%	130			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	129			70-130	Pass	
Naphthalene	%	97			70-130	Pass	
Phenanthrene	%	105			70-130	Pass	
Pyrene	%	101			70-130	Pass	
LCS - % Recovery							
Ammonia (as N)	%	90			70-130	Pass	
Conductivity (at 25 °C)	%	84			70-130	Pass	
Nitrate & Nitrite (as N)	%	81			70-130	Pass	
Nitrate (as N)	%	81			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nitrite (as N)			%	91			70-130	Pass	
Phosphate total (as P)			%	106			70-130	Pass	
Total Kjeldahl Nitrogen (as N)			%	120			70-130	Pass	
Turbidity			%	101			70-130	Pass	
LCS - % Recovery									
Alkali Metals									
Calcium			%	92			80-120	Pass	
Magnesium			%	94			80-120	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	95			80-120	Pass	
Arsenic (filtered)			%	97			80-120	Pass	
Cadmium			%	93			80-120	Pass	
Cadmium (filtered)			%	98			80-120	Pass	
Chromium			%	89			80-120	Pass	
Chromium (filtered)			%	100			80-120	Pass	
Copper			%	88			80-120	Pass	
Copper (filtered)			%	100			80-120	Pass	
Lead			%	84			80-120	Pass	
Lead (filtered)			%	99			80-120	Pass	
Mercury			%	87			80-120	Pass	
Mercury (filtered)			%	97			80-120	Pass	
Nickel			%	90			80-120	Pass	
Nickel (filtered)			%	99			80-120	Pass	
Zinc			%	90			80-120	Pass	
Zinc (filtered)			%	100			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S22-Se0039724	NCP	%	73			70-130	Pass	
TRH C10-C14	S22-Se0050642	NCP	%	114			70-130	Pass	
Naphthalene	S22-Se0039724	NCP	%	78			70-130	Pass	
TRH C6-C10	S22-Se0039724	NCP	%	79			70-130	Pass	
TRH >C10-C16	S22-Se0050642	NCP	%	111			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Se0039724	NCP	%	85			70-130	Pass	
Toluene	S22-Se0039724	NCP	%	87			70-130	Pass	
Ethylbenzene	S22-Se0039724	NCP	%	83			70-130	Pass	
m&p-Xylenes	S22-Se0039724	NCP	%	91			70-130	Pass	
o-Xylene	S22-Se0039724	NCP	%	91			70-130	Pass	
Xylenes - Total*	S22-Se0039724	NCP	%	91			70-130	Pass	
Spike - % Recovery									
				Result 1					
Phosphate total (as P)	S22-Se0043896	NCP	%	86			70-130	Pass	
Total Kjeldahl Nitrogen (as N)	S22-Se0054978	NCP	%	114			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S22-Se0048566	CP	%	128			70-130	Pass	
Benzo(b&j)fluoranthene	S22-Se0048566	CP	%	128			70-130	Pass	
Naphthalene	S22-Se0048566	CP	%	107			70-130	Pass	
Spike - % Recovery									
				Result 1					
Ammonia (as N)	M22-Se0055805	NCP	%	83			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nitrate & Nitrite (as N)	N22-Se0050741	NCP	%	99			70-130	Pass	
Nitrate (as N)	N22-Se0050741	NCP	%	100			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S22-Se0046789	NCP	%	89			75-125	Pass	
Cadmium	S22-Se0046789	NCP	%	102			75-125	Pass	
Chromium	S22-Se0046789	NCP	%	96			75-125	Pass	
Copper	S22-Se0046789	NCP	%	98			75-125	Pass	
Lead	S22-Se0046789	NCP	%	91			75-125	Pass	
Mercury	S22-Se0046789	NCP	%	92			75-125	Pass	
Nickel	S22-Se0046789	NCP	%	99			75-125	Pass	
Zinc	S22-Se0046789	NCP	%	103			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	S22-Se0048571	CP	%	97			75-125	Pass	
Cadmium (filtered)	S22-Se0048571	CP	%	92			75-125	Pass	
Chromium (filtered)	S22-Se0048571	CP	%	90			75-125	Pass	
Copper (filtered)	S22-Se0048571	CP	%	88			75-125	Pass	
Lead (filtered)	S22-Se0048571	CP	%	89			75-125	Pass	
Mercury (filtered)	S22-Se0048571	CP	%	85			75-125	Pass	
Nickel (filtered)	S22-Se0048571	CP	%	88			75-125	Pass	
Zinc (filtered)	S22-Se0048571	CP	%	92			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0039754	NCP	mg/L	0.30	0.36	16	30%	Pass	
TRH C10-C14	S22-Se0052562	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S22-Se0052562	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S22-Se0052562	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Naphthalene	S22-Se0039754	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	S22-Se0039754	NCP	mg/L	0.42	0.48	12	30%	Pass	
TRH >C10-C16	S22-Se0052562	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S22-Se0052562	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S22-Se0052562	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Se0039754	NCP	mg/L	0.002	0.001	11	30%	Pass	
Toluene	S22-Se0039754	NCP	mg/L	0.002	0.002	3.4	30%	Pass	
Ethylbenzene	S22-Se0039754	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Se0039754	NCP	mg/L	0.006	0.003	49	30%	Fail	Q15
o-Xylene	S22-Se0039754	NCP	mg/L	0.002	0.002	4.3	30%	Pass	
Xylenes - Total*	S22-Se0039754	NCP	mg/L	0.008	0.006	33	30%	Fail	Q15
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Fluoranthene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	S22-Se0043889	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Ammonia (as N)	M22-Se0043281	NCP	mg/L	0.32	0.39	20	30%	Pass	
Nitrate & Nitrite (as N)	M22-Se0043281	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Nitrate (as N)	M22-Se0043281	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Nitrite (as N)	M22-Se0043281	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phosphate total (as P)	S22-Se0048562	CP	mg/L	0.07	0.07	<1	30%	Pass	
Turbidity	S22-Se0048562	CP	NTU	4.9	4.4	11	30%	Pass	
Duplicate									
Alkali Metals				Result 1	Result 2	RPD			
Calcium	N22-Se0039420	NCP	mg/L	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	S22-Se0039184	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium (filtered)	S22-Se0039184	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	S22-Se0039184	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	S22-Se0039184	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead (filtered)	S22-Se0039184	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	S22-Se0039184	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	S22-Se0042443	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc (filtered)	S22-Se0039184	NCP	mg/L	0.014	0.008	53	30%	Fail	Q15
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (at 25 °C)	S22-Se0048563	CP	uS/cm	610	630	2.4	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Total Kjeldahl Nitrogen (as N)	S22-Se0048568	CP	mg/L	0.8	0.7	15	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	N22-Se0039420	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	N22-Se0039420	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	N22-Se0039420	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	N22-Se0039420	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	N22-Se0039420	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	N22-Se0039420	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	N22-Se0052506	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc	N22-Se0039420	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Emma Beesley	Analytical Services Manager
Caitlin Breeze	Senior Analyst-Inorganic
Dilani Samarakoon	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road
DATE NEEDED BY: STD

LABORATORY BATCH NO.:
SAMPLERS: LH
QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sguncatunge @jbsg.com.au; (3) mnguyen @jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	OCP's	TRH	BTEX	Asbestos	pH	PCC	Turbidity	Hardness	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: WEIGHING	NOTES:
SW01	water	21/9/22		vials, amber, inorganics, metals		X	X	X	X	X	X	X	X	X			
SW02	↓	↓				X	X	X	X	X	X	X	X	X			
SW03						X	X	X	X	X	X	X	X	X			
SW04						X	X	X	X	X	X	X	X	X			
SW05						X	X	X	X	X	X	X	X	X			
SW06						X	X	X	X	X	X	X	X	X			
Rinsate	water	21/9/22		↓		X	X	X	X	X							
Trip blank / TB	↓	↓		vials + ice					X								
QCW01						X	X	X	X	X	X	X	X	X			

RELINQUISHED BY	METHOD OF SHIPMENT	RECEIVED BY	FOR RECEIVING LAB USE ONLY
NAME: Kaash DATE: Hilliard	CONSIGNMENT NOTE NO.	NAME: Lisa Zaric	COOLER SEAL – Yes ..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: 21/9/22 6:00 pm	#925644
NAME: DATE: 21/9/22	CONSIGNMENT NOTE NO.	OF: Eurofins	COOLER TEMP 3.3 deg C
OF:		NAME: DATE:	COOLER SEAL – Yes ..... No ..... Intact ..... Broken .....
		OF:	

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road
DATE NEEDED BY: STD

LABORATORY BATCH NO.:
SAMPLERS: LH
QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...Sg.unatunge....@jbsg.com.au; (3) ...mnou.aim.....@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	PAHs	TRH	BTEX	Nutrients	pH	EC	Turbidity	Hardness	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
SW01	Water	20/9/22		vials, amber, inorganics, metals		X	X	X	X	X	X	X	X	X			
SW02	↓	↓		↓		X	X	X	X	X	X	X	X	X			
SW03						X	X	X	X	X	X	X	X	X			
SW04						X	X	X	X	X	X	X	X	X			
SW05						X	X	X	X	X	X	X	X	X			
SW06						X	X	X	X	X	X	X	X	X			
Rinsate	Water	20/9/22				X	X	X	X	X							
Trip strike / TB	↓	↓		vials + ice					X								
QCW01						X	X	X	X	X	X	X	X	X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Keah DATE: 21/9/22 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: Lisa Zulic DATE: 21/9/22 6:00pm OF: Eurofins	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP 3.3 deg C #925644
NAME: DATE: 21/9/22 OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Ptv Ltd

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG ROAD
Project ID:	62343
Turnaround time:	5 Day
Date/Time received	Sep 21, 2022 6:00 PM
Eurofins reference	925644

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 3.3 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

Global Leader - Results you can trust

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **931453-S**
Project name ADDITIONAL - GUNTAWONG ROAD DSI
Project ID ADDITIONAL - 62343
Received Date Oct 13, 2022

Client Sample ID			**TP124_0.4-0.5**	**TP124_0.3-0.4**	**TP134_0.3-0.4**	**TP134_0.4-0.5**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S22-Oc0025038**	**S22-Oc0025039**	**S22-Oc0025041**	**S22-Oc0025042**
Date Sampled			**Sep 15, 2022**	**Sep 15, 2022**	**Sep 15, 2022**	**Sep 15, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	22	150	21	56
% Moisture	1	%	21	20	17	23

Client Sample ID			**TP178_0.3-0.4**	**TP197_0.3-0.4**
Sample Matrix			**Soil**	**Soil**
Eurofins Sample No.			**S22-Oc0025051**	**S22-Oc0025053**
Date Sampled			**Sep 12, 2022**	**Sep 16, 2022**
Test/Reference	LOR	Unit		
Heavy Metals				
Lead	5	mg/kg	24	22
% Moisture	1	%	24	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	Testing Site	Extracted	Holding Time
Heavy Metals	Sydney	Oct 14, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Oct 13, 2022	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 931453
Phone: 02 8245 0300
Fax:

Received: Oct 13, 2022 12:14 PM
Due: Oct 14, 2022
Priority: 1 Day
Contact Name: Sahani Gunatunge

Project Name: ADDITIONAL - GUNTAWONG ROAD DSI
Project ID: ADDITIONAL - 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Cadmium	Lead	USA Leaching Procedure	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	SP06-07	Sep 15, 2022		US Leachate	S22-Oc0025037		X	X	
2	TP124_0.4-0.5	Sep 15, 2022		Soil	S22-Oc0025038		X		X
3	TP124_0.3-0.4	Sep 15, 2022		Soil	S22-Oc0025039		X		X
4	TP134_0.0-0.1	Sep 15, 2022		US Leachate	S22-Oc0025040		X	X	
5	TP134_0.3-0.4	Sep 15, 2022		Soil	S22-Oc0025041		X		X
6	TP134_0.4-0.5	Sep 15, 2022		Soil	S22-Oc0025042		X		X
7	TP114_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025045		X	X	
8	TP125_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025046	X	X	X	
9	TP183_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025047		X	X	
10	TP178_0.0-0.1	Sep 12, 2022		US Leachate	S22-Oc0025050		X	X	
11	TP178_0.3-0.4	Sep 12, 2022		Soil	S22-Oc0025051		X		X
12	TP197_0-0.1	Sep 16, 2022		US Leachate	S22-Oc0025052		X	X	
13	TP197_0.3-0.4	Sep 16, 2022		Soil	S22-Oc0025053		X		X

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: ADDITIONAL - GUNTAWONG ROAD DSI
Project ID: ADDITIONAL - 62343

Order No.:
Report #: 931453
Phone: 02 8245 0300
Fax:

Received: Oct 13, 2022 12:14 PM
Due: Oct 14, 2022
Priority: 1 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	Cadmium	Lead	USA Leaching Procedure	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X
Test Counts	1	13	7	6

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Lead			mg/kg	< 5			5	Pass	
LCS - % Recovery									
Heavy Metals									
Lead			%	104			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	S22-Oc0025038	CP	%	88			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			
Lead	S22-Se0033636	NCP	mg/kg	7.6	6.8	12	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S22-Oc0025042	CP	%	23	24	5.6	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:

Bonnie Pu	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **931453-L**
Project name ADDITIONAL - GUNTAWONG ROAD DSI
Project ID ADDITIONAL - 62343
Received Date Oct 13, 2022

Client Sample ID			**SP06-07**	**TP134_0.0-0.1**	**TP114_0-0.1**	**TP125_0-0.1**
Sample Matrix			**US Leachate**	**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**S22-Oc0025037**	**S22-Oc0025040**	**S22-Oc0025045**	**S22-Oc0025046**
Date Sampled			**Sep 15, 2022**	**Sep 15, 2022**	**Sep 14, 2022**	**Sep 14, 2022**
Test/Reference	LOR	Unit				
Heavy Metals						
Cadmium	0.005	mg/L	-	-	-	0.097
Lead	0.01	mg/L	20	0.04	0.02	1.6
USA Leaching Procedure						
Leachate Fluid[C01]		comment	1.0	1.0	1.0	1.0
pH (initial)	0.1	pH Units	6.6	5.6	6.8	6.6
pH (off)	0.1	pH Units	5.1	5.1	5.1	5.1
pH (USA HCl addition)	0.1	pH Units	2.2	2.2	2.3	2.2

Client Sample ID			**TP183_0-0.1**	**TP178_0.0-0.1**	**TP197_0-0.1**
Sample Matrix			**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**S22-Oc0025047**	**S22-Oc0025050**	**S22-Oc0025052**
Date Sampled			**Sep 14, 2022**	**Sep 12, 2022**	**Sep 16, 2022**
Test/Reference	LOR	Unit			
Heavy Metals					
Lead	0.01	mg/L	0.04	0.11	0.09
USA Leaching Procedure					
Leachate Fluid[C01]		comment	1.0	1.0	1.0
pH (initial)	0.1	pH Units	6.6	6.8	6.9
pH (off)	0.1	pH Units	5.1	5.1	5.1
pH (USA HCl addition)	0.1	pH Units	2.2	2.2	2.3

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Heavy Metals	Sydney	Oct 13, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
USA Leaching Procedure	Sydney	Oct 13, 2022	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 931453
Phone: 02 8245 0300
Fax:

Received: Oct 13, 2022 12:14 PM
Due: Oct 14, 2022
Priority: 1 Day
Contact Name: Sahani Gunatunge

Project Name: ADDITIONAL - GUNTAWONG ROAD DSI
Project ID: ADDITIONAL - 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Cadmium	Lead	USA Leaching Procedure	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	SP06-07	Sep 15, 2022		US Leachate	S22-Oc0025037		X	X	
2	TP124_0.4-0.5	Sep 15, 2022		Soil	S22-Oc0025038		X		X
3	TP124_0.3-0.4	Sep 15, 2022		Soil	S22-Oc0025039		X		X
4	TP134_0.0-0.1	Sep 15, 2022		US Leachate	S22-Oc0025040		X	X	
5	TP134_0.3-0.4	Sep 15, 2022		Soil	S22-Oc0025041		X		X
6	TP134_0.4-0.5	Sep 15, 2022		Soil	S22-Oc0025042		X		X
7	TP114_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025045		X	X	
8	TP125_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025046	X	X	X	
9	TP183_0-0.1	Sep 14, 2022		US Leachate	S22-Oc0025047		X	X	
10	TP178_0.0-0.1	Sep 12, 2022		US Leachate	S22-Oc0025050		X	X	
11	TP178_0.3-0.4	Sep 12, 2022		Soil	S22-Oc0025051		X		X
12	TP197_0-0.1	Sep 16, 2022		US Leachate	S22-Oc0025052		X	X	
13	TP197_0.3-0.4	Sep 16, 2022		Soil	S22-Oc0025053		X		X

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: ADDITIONAL - GUNTAWONG ROAD DSI
Project ID: ADDITIONAL - 62343

Order No.:
Report #: 931453
Phone: 02 8245 0300
Fax:

Received: Oct 13, 2022 12:14 PM
Due: Oct 14, 2022
Priority: 1 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	Cadmium	Lead	USA Leaching Procedure	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X
Test Counts	1	13	7	6

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Cadmium			mg/L	< 0.005			0.005	Pass	
Lead			mg/L	< 0.01			0.01	Pass	
LCS - % Recovery									
Heavy Metals									
Cadmium			%	102			80-120	Pass	
Lead			%	85			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	S22-Oc0022337	NCP	%	85			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Cadmium	S22-Oc0022337	NCP	%	95			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			
Cadmium	S22-Oc0025037	CP	mg/L	0.016	0.017	6.7	30%	Pass	
Lead	S22-Oc0025037	CP	mg/L	20	22	7.1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Cadmium	S22-Oc0025074	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other

Authorised by:

Bonnie Pu	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

1 DAY TAT ADDITIONAL ANALYSIS AND LEACHATES: FW: 62343 Guntawong Road Additional Analysis

Andrew Black <AndrewBlack@eurofins.com>

Thu 2022-10-13 12:14 PM

To: #AU04_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Urgent 1 day TAT additional thanks team for totals and leachates

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing Australia Pty Ltd
Unit 7
7 Friesian Close
SANDGATE, NSW, 2304
AUSTRALIA
Phone: +61 2 9900 8490
Mobile: +61 410 220 750
Email: AndrewBlack@eurofins.com
Website: eurofins.com.au/environmental-testing

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message. Transmission by e-mail is not secure and can result in errors or omissions in the content of the message. Despite state-of-the-art precautions we cannot guarantee that e-mails and attachments are free from viruses. We accept no liability for viruses or any transmission-related errors and omissions. You need to always virus-check any e-mails and attachments.
Eurofins companies are independent legal entities that are bound only by members of their management bodies. No other persons have representation power unless specifically authorised by proxy or other legal means.

For sample receipt enquiries (eg. SRAs, changes to analysis) please contact EnvirosampleNSW@eurofins.com or 02 9900 8421 (7am – 9pm).
For despatch enquiries (eg. courier bookings, bottle orders) please contact AU04_Despatch_SYD@eurofins.com or 0488 400 929 (8am – 4pm).

From: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Sent: Thursday, 13 October 2022 11:51 AM
To: Andrew Black <AndrewBlack@eurofins.com>
Subject: 62343 Guntawong Road Additional Analysis

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Andrew,

Can I please request additional analysis on the following samples on same day TAT:

Lab	Sample	Additional Analysis

report		
924719	SP06-07	Lead TCLP
	TP124_0.4-0.5	Lead
	TP124_0.3-0.4	Lead
	TP134_0.0-0.1	TCLP lead
	TP134_0.3-0.4	Lead
	TP134_0.4-0.5	Lead
924697	TP114_0.2-0.3	Lead
	TP114_0.3-0.4	Lead
	TP114_0-0.1	Lead TCLP
	TP125_0-0.1	TCLP lead, TCLP cadmium
	TP183_0-0.1	TCLP lead
	TP125_0.3-0.4	Lead, cadmium
	TP183_0.3-0.4	Lead
923050	TP178_0.0-0.1	TCLP lead
	TP178_0.3-0.4	Lead
924721	TP197_0-0.1	TCLP lead
	TP197_0.3-0.4	Lead

Kind Regards,

Sahani Gunatunge | Senior Project Manager | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0410 240 607 | E: sgunatunge@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	ADDITIONAL - GUNTAWONG ROAD DSI
Project ID:	ADDITIONAL - 62343
Turnaround time:	1 Day
Date/Time received	Oct 13, 2022 12:14 PM
Eurofins reference	931453

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 4.3 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✗	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

Global Leader - Results you can trust

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **934431-W**
Project name SCHOFIELDS - GME
Project ID 62343
Received Date Oct 20, 2022

Client Sample ID			**GW01**	**GW02**	**GW03**	**GW04**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S22-Oc0049024**	**S22-Oc0049025**	**S22-Oc0049026**	**S22-Oc0049027**
Date Sampled			**Oct 19, 2022**	**Oct 19, 2022**	**Oct 19, 2022**	**Oct 19, 2022**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	0.03	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	0.13	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	0.13	< 0.1
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	0.14	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	0.13	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	0.08	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	0.08	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
BTEX						
Benzene	0.001	mg/L	< 0.001	-	-	< 0.001
Toluene	0.001	mg/L	< 0.001	-	-	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	-	-	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	-	-	< 0.002
o-Xylene	0.001	mg/L	< 0.001	-	-	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	-	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	90	-	-	85
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			GW01	GW02	GW03	GW04
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Oc0049024	S22-Oc0049025	S22-Oc0049026	S22-Oc0049027
Date Sampled			Oct 19, 2022	Oct 19, 2022	Oct 19, 2022	Oct 19, 2022
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	[Q09]INT	[Q09]INT	[Q09]INT	[Q09]INT
p-Terphenyl-d14 (surr.)	1	%	120	103	105	88
Chloride	1	mg/L	8600	790	270	8300
Conductivity (at 25 °C)	10	uS/cm	20000	4200	1300	14000
pH (at 25 °C)	0.1	pH Units	7.5	7.8	6.7	7.1
Sulphate (as SO4)	2	mg/L	430	170	260	690
Turbidity	1	NTU	72	7600	3.4	110
Alkalinity (speciated)						
Bicarbonate Alkalinity (as CaCO3)	20	mg/L	2500	1900	290	1800
Carbonate Alkalinity (as CaCO3)	10	mg/L	< 10	< 10	< 10	< 10
Hydroxide Alkalinity (as CaCO3)	20	mg/L	< 20	< 20	< 20	< 20
Total Alkalinity (as CaCO3)	20	mg/L	2500	1900	290	1800
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	0.006	0.002	0.003	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	< 0.001	0.002	0.007	0.002
Zinc (filtered)	0.005	mg/L	0.022	< 0.005	0.013	< 0.005
Alkali Metals						
Calcium	0.5	mg/L	170	120	14	460
Magnesium	0.5	mg/L	900	150	15	720
Potassium	0.5	mg/L	25	26	4.2	40
Sodium	0.5	mg/L	4500	670	250	2700
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.1-Dichloroethene	0.001	mg/L	-	< 0.001	< 0.001	-
1.1.1-Trichloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.1.2-Trichloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.2-Dibromoethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.2-Dichlorobenzene	0.001	mg/L	-	< 0.001	< 0.001	-
1.2-Dichloroethane	0.001	mg/L	-	< 0.001	< 0.001	-
1.2-Dichloropropane	0.001	mg/L	-	< 0.001	< 0.001	-
1.2.3-Trichloropropane	0.001	mg/L	-	< 0.001	< 0.001	-
1.2.4-Trimethylbenzene	0.001	mg/L	-	< 0.001	0.039	-
1.3-Dichlorobenzene	0.001	mg/L	-	< 0.001	< 0.001	-
1.3-Dichloropropane	0.001	mg/L	-	< 0.001	< 0.001	-
1.3.5-Trimethylbenzene	0.001	mg/L	-	< 0.001	0.019	-
1.4-Dichlorobenzene	0.001	mg/L	-	< 0.001	< 0.001	-

Client Sample ID			GW01	GW02	GW03	GW04
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S22-Oc0049024	S22-Oc0049025	S22-Oc0049026	S22-Oc0049027
Date Sampled			Oct 19, 2022	Oct 19, 2022	Oct 19, 2022	Oct 19, 2022
Test/Reference	LOR	Unit				
Volatile Organics						
2-Butanone (MEK)	0.005	mg/L	-	< 0.005	< 0.005	-
2-Propanone (Acetone)	0.005	mg/L	-	< 0.005	< 0.005	-
4-Chlorotoluene	0.001	mg/L	-	< 0.001	< 0.001	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	-	< 0.005	< 0.005	-
Allyl chloride	0.001	mg/L	-	< 0.001	< 0.001	-
Benzene	0.001	mg/L	-	< 0.001	< 0.001	-
Bromobenzene	0.001	mg/L	-	< 0.001	< 0.001	-
Bromochloromethane	0.001	mg/L	-	< 0.001	< 0.001	-
Bromodichloromethane	0.001	mg/L	-	< 0.001	< 0.001	-
Bromoform	0.001	mg/L	-	< 0.001	< 0.001	-
Bromomethane	0.005	mg/L	-	< 0.005	< 0.005	-
Carbon disulfide	0.001	mg/L	-	< 0.001	0.003	-
Carbon Tetrachloride	0.001	mg/L	-	< 0.001	< 0.001	-
Chlorobenzene	0.001	mg/L	-	< 0.001	< 0.001	-
Chloroethane	0.005	mg/L	-	< 0.005	< 0.005	-
Chloroform	0.005	mg/L	-	< 0.005	< 0.005	-
Chloromethane	0.005	mg/L	-	< 0.005	< 0.005	-
cis-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	< 0.001	-
cis-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	< 0.001	-
Dibromochloromethane	0.001	mg/L	-	< 0.001	< 0.001	-
Dibromomethane	0.001	mg/L	-	< 0.001	< 0.001	-
Dichlorodifluoromethane	0.005	mg/L	-	< 0.005	< 0.005	-
Ethylbenzene	0.001	mg/L	-	< 0.001	< 0.001	-
Iodomethane	0.001	mg/L	-	< 0.001	< 0.001	-
Isopropyl benzene (Cumene)	0.001	mg/L	-	< 0.001	0.002	-
m&p-Xylenes	0.002	mg/L	-	< 0.002	0.006	-
Methylene Chloride	0.005	mg/L	-	< 0.005	< 0.005	-
o-Xylene	0.001	mg/L	-	< 0.001	0.005	-
Styrene	0.001	mg/L	-	< 0.001	< 0.001	-
Tetrachloroethene	0.001	mg/L	-	< 0.001	< 0.001	-
Toluene	0.001	mg/L	-	< 0.001	0.002	-
trans-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	< 0.001	-
trans-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	< 0.001	-
Trichloroethene	0.001	mg/L	-	< 0.001	< 0.001	-
Trichlorofluoromethane	0.005	mg/L	-	< 0.005	< 0.005	-
Vinyl chloride	0.005	mg/L	-	< 0.005	< 0.005	-
Xylenes - Total*	0.003	mg/L	-	< 0.003	0.011	-
Total MAH*	0.003	mg/L	-	< 0.003	0.015	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	-	< 0.005	< 0.005	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	-	< 0.005	< 0.005	-
4-Bromofluorobenzene (surr.)	1	%	-	109	110	-
Toluene-d8 (surr.)	1	%	-	108	114	-

Client Sample ID			GW05	RINSATE	QC-20221019
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S22-Oc0049028	S22-Oc0049029	S22-Oc0049030
Date Sampled			Oct 19, 2022	Oct 19, 2022	Oct 19, 2022
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1
BTEX					
Benzene	0.001	mg/L	< 0.001	-	< 0.001
Toluene	0.001	mg/L	< 0.001	-	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	-	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	-	< 0.002
o-Xylene	0.001	mg/L	< 0.001	-	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	82	-	84
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	[Q09]INT	[Q09]INT	[Q09]INT
p-Terphenyl-d14 (surr.)	1	%	100	91	82
Chloride	1	mg/L	4600	-	6300
Conductivity (at 25 °C)	10	uS/cm	14000	-	20000
pH (at 25 °C)	0.1	pH Units	7.2	-	7.1
Sulphate (as SO4)	2	mg/L	460	-	470
Turbidity	1	NTU	36	-	40

Client Sample ID			GW05	RINSATE	QC-20221019
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S22-Oc0049028	S22-Oc0049029	S22-Oc0049030
Date Sampled			Oct 19, 2022	Oct 19, 2022	Oct 19, 2022
Test/Reference	LOR	Unit			
Alkalinity (speciated)					
Bicarbonate Alkalinity (as CaCO3)	20	mg/L	2000	-	1900
Carbonate Alkalinity (as CaCO3)	10	mg/L	< 10	-	< 10
Hydroxide Alkalinity (as CaCO3)	20	mg/L	< 20	-	< 20
Total Alkalinity (as CaCO3)	20	mg/L	2000	-	1900
Heavy Metals					
Arsenic (filtered)	0.001	mg/L	< 0.001	-	< 0.001
Cadmium (filtered)	0.0002	mg/L	< 0.0002	-	< 0.0002
Chromium (filtered)	0.001	mg/L	< 0.001	-	< 0.001
Copper (filtered)	0.001	mg/L	0.004	-	0.002
Lead (filtered)	0.001	mg/L	< 0.001	-	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	-	< 0.0001
Nickel (filtered)	0.001	mg/L	0.001	-	0.001
Zinc (filtered)	0.005	mg/L	0.007	-	0.005
Alkali Metals					
Calcium	0.5	mg/L	150	-	480
Magnesium	0.5	mg/L	380	-	730
Potassium	0.5	mg/L	27	-	38
Sodium	0.5	mg/L	2700	-	2800
Volatile Organics					
1.1-Dichloroethane	0.001	mg/L	-	< 0.001	-
1.1-Dichloroethene	0.001	mg/L	-	< 0.001	-
1.1.1-Trichloroethane	0.001	mg/L	-	< 0.001	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	-
1.1.2-Trichloroethane	0.001	mg/L	-	< 0.001	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	-
1.2-Dibromoethane	0.001	mg/L	-	< 0.001	-
1.2-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
1.2-Dichloroethane	0.001	mg/L	-	< 0.001	-
1.2-Dichloropropane	0.001	mg/L	-	< 0.001	-
1.2.3-Trichloropropane	0.001	mg/L	-	< 0.001	-
1.2.4-Trimethylbenzene	0.001	mg/L	-	< 0.001	-
1.3-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
1.3-Dichloropropane	0.001	mg/L	-	< 0.001	-
1.3.5-Trimethylbenzene	0.001	mg/L	-	< 0.001	-
1.4-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
2-Butanone (MEK)	0.005	mg/L	-	< 0.005	-
2-Propanone (Acetone)	0.005	mg/L	-	< 0.005	-
4-Chlorotoluene	0.001	mg/L	-	< 0.001	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	-	< 0.005	-
Allyl chloride	0.001	mg/L	-	< 0.001	-
Benzene	0.001	mg/L	-	< 0.001	-
Bromobenzene	0.001	mg/L	-	< 0.001	-
Bromochloromethane	0.001	mg/L	-	< 0.001	-
Bromodichloromethane	0.001	mg/L	-	< 0.001	-
Bromoform	0.001	mg/L	-	< 0.001	-
Bromomethane	0.005	mg/L	-	< 0.005	-
Carbon disulfide	0.001	mg/L	-	< 0.001	-
Carbon Tetrachloride	0.001	mg/L	-	< 0.001	-
Chlorobenzene	0.001	mg/L	-	< 0.001	-

Client Sample ID			GW05	RINSATE	QC-20221019
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S22-Oc0049028	S22-Oc0049029	S22-Oc0049030
Date Sampled			Oct 19, 2022	Oct 19, 2022	Oct 19, 2022
Test/Reference	LOR	Unit			
Volatile Organics					
Chloroethane	0.005	mg/L	-	< 0.005	-
Chloroform	0.005	mg/L	-	< 0.005	-
Chloromethane	0.005	mg/L	-	< 0.005	-
cis-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	-
cis-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	-
Dibromochloromethane	0.001	mg/L	-	< 0.001	-
Dibromomethane	0.001	mg/L	-	< 0.001	-
Dichlorodifluoromethane	0.005	mg/L	-	< 0.005	-
Ethylbenzene	0.001	mg/L	-	< 0.001	-
Iodomethane	0.001	mg/L	-	< 0.001	-
Isopropyl benzene (Cumene)	0.001	mg/L	-	< 0.001	-
m&p-Xylenes	0.002	mg/L	-	< 0.002	-
Methylene Chloride	0.005	mg/L	-	< 0.005	-
o-Xylene	0.001	mg/L	-	< 0.001	-
Styrene	0.001	mg/L	-	< 0.001	-
Tetrachloroethene	0.001	mg/L	-	< 0.001	-
Toluene	0.001	mg/L	-	< 0.001	-
trans-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	-
trans-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	-
Trichloroethene	0.001	mg/L	-	< 0.001	-
Trichlorofluoromethane	0.005	mg/L	-	< 0.005	-
Vinyl chloride	0.005	mg/L	-	< 0.005	-
Xylenes - Total*	0.003	mg/L	-	< 0.003	-
Total MAH*	0.003	mg/L	-	< 0.003	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	-	< 0.005	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	-	< 0.005	-
4-Bromofluorobenzene (surr.)	1	%	-	115	-
Toluene-d8 (surr.)	1	%	-	123	-

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
Eurofins Suite B1			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Oct 27, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 24, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 27, 2022	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Oct 24, 2022	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 27, 2022	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Conductivity (at 25 °C)	Sydney	Oct 27, 2022	28 Days
- Method: LTM-INO-4030 Conductivity			
pH (at 25 °C)	Sydney	Oct 27, 2022	0 Hour
- Method: LTM-GEN-7090 pH in water by ISE			
Turbidity	Sydney	Oct 27, 2022	2 Days
- Method: LTM-INO-4140 Turbidity by Nephelometric Method			
Metals M8 filtered	Sydney	Oct 27, 2022	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B11C: Na/K/Ca/Mg	Sydney	Oct 27, 2022	180 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Oct 24, 2022	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Eurofins Suite B11E: Cl/SO4/Alkalinity			
Chloride	Sydney	Oct 27, 2022	28 Days
- Method: LTM-INO-4270 Anions by Ion Chromatography			
Sulphate (as SO4)	Sydney	Oct 27, 2022	28 Days
- Method: In-house method LTM-INO-4270 Sulphate by Ion Chromatograph			
Alkalinity (speciated)	Melbourne	Oct 26, 2022	14 Days
- Method: LTM-INO-4250 Alkalinity by Electrometric Titration			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261 Site# 1254

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261 Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261 Site# 20794

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Tel: +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
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 45 51
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: 0800 856 450
IANZ# 1290

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS - GME
Project ID: 62343

Order No.:
Report #: 934431
Phone: 02 8245 0300
Fax:

Received: Oct 20, 2022 1:01 PM
Due: Oct 27, 2022
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Turbidity	Polycyclic Aromatic Hydrocarbons	Metals M8 filtered	Volatile Organics	Total Recoverable Hydrocarbons	Eurofins Suite B1	Eurofins Suite B11E: Cl/SO4/Alkalinity	Eurofins Suite B11C: Na/K/Ca/Mg
Melbourne Laboratory - NATA # 1261 Site # 1254														X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	GW01	Oct 19, 2022		Water	S22-Oc0049024	X	X	X	X	X			X	X	X
2	GW02	Oct 19, 2022		Water	S22-Oc0049025	X	X	X	X	X	X	X		X	X
3	GW03	Oct 19, 2022		Water	S22-Oc0049026	X	X	X	X	X	X	X		X	X
4	GW04	Oct 19, 2022		Water	S22-Oc0049027	X	X	X	X	X			X	X	X
5	GW05	Oct 19, 2022		Water	S22-Oc0049028	X	X	X	X	X			X	X	X
6	RINSATE	Oct 19, 2022		Water	S22-Oc0049029				X		X	X			
7	QC-20221019	Oct 19, 2022		Water	S22-Oc0049030	X	X	X	X	X			X	X	X
Test Counts						6	6	6	7	6	3	3	4	6	6

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
9. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres

Terms

APHA	American Public Health Association
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Chloride	mg/L	< 1			1	Pass	
Conductivity (at 25 °C)	uS/cm	< 10			10	Pass	
Sulphate (as SO4)	mg/L	< 2			2	Pass	
Turbidity	NTU	< 1			1	Pass	
Method Blank							
Alkalinity (speciated)							
Bicarbonate Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Carbonate Alkalinity (as CaCO3)	mg/L	< 10			10	Pass	
Hydroxide Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Total Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Method Blank							
Heavy Metals							
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
Method Blank							
Alkali Metals							
Calcium	mg/L	< 0.5			0.5	Pass	
Magnesium	mg/L	< 0.5			0.5	Pass	
Potassium	mg/L	< 0.5			0.5	Pass	
Sodium	mg/L	< 0.5			0.5	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	85			70-130	Pass	
TRH C10-C14	%	102			70-130	Pass	
Naphthalene	%	91			70-130	Pass	
TRH C6-C10	%	86			70-130	Pass	
TRH >C10-C16	%	100			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	97			70-130	Pass	
Toluene	%	87			70-130	Pass	
Ethylbenzene	%	87			70-130	Pass	
m&p-Xylenes	%	87			70-130	Pass	
o-Xylene	%	88			70-130	Pass	
Xylenes - Total*	%	88			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	95			70-130	Pass	
Acenaphthylene	%	103			70-130	Pass	
Anthracene	%	97			70-130	Pass	
Benz(a)anthracene	%	99			70-130	Pass	
Benzo(a)pyrene	%	98			70-130	Pass	
Benzo(b&j)fluoranthene	%	99			70-130	Pass	
Benzo(g.h.i)perylene	%	117			70-130	Pass	
Benzo(k)fluoranthene	%	130			70-130	Pass	
Chrysene	%	103			70-130	Pass	
Dibenz(a.h)anthracene	%	127			70-130	Pass	
Fluoranthene	%	94			70-130	Pass	
Fluorene	%	105			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	126			70-130	Pass	
Naphthalene	%	86			70-130	Pass	
Phenanthrene	%	108			70-130	Pass	
Pyrene	%	99			70-130	Pass	
LCS - % Recovery							
Chloride	%	101			70-130	Pass	
Conductivity (at 25 °C)	%	93			70-130	Pass	
Sulphate (as SO4)	%	100			70-130	Pass	
Turbidity	%	99			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic (filtered)	%	109			80-120	Pass	
Cadmium (filtered)	%	104			80-120	Pass	
Chromium (filtered)	%	104			80-120	Pass	
Copper (filtered)	%	100			80-120	Pass	
Lead (filtered)	%	101			80-120	Pass	
Mercury (filtered)	%	106			80-120	Pass	
Nickel (filtered)	%	102			80-120	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc (filtered)	%	104			80-120	Pass	
LCS - % Recovery							
Alkali Metals							
Calcium	%	97			80-120	Pass	
Magnesium	%	99			80-120	Pass	
Potassium	%	99			80-120	Pass	
Sodium	%	99			80-120	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	117			70-130	Pass	
1.1.1-Trichloroethane	%	116			70-130	Pass	
1.2-Dichlorobenzene	%	127			70-130	Pass	
1.2-Dichloroethane	%	126			70-130	Pass	
Trichloroethene	%	120			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	S22-Oc0040687	NCP	%	76			75-125	Pass	
Cadmium (filtered)	S22-Oc0040687	NCP	%	75			75-125	Pass	
Chromium (filtered)	S22-Oc0040687	NCP	%	82			75-125	Pass	
Copper (filtered)	S22-Oc0040687	NCP	%	80			75-125	Pass	
Lead (filtered)	S22-Oc0040687	NCP	%	79			75-125	Pass	
Mercury (filtered)	S22-Oc0040687	NCP	%	81			75-125	Pass	
Nickel (filtered)	S22-Oc0040687	NCP	%	81			75-125	Pass	
Zinc (filtered)	S22-Oc0040687	NCP	%	85			75-125	Pass	
Spike - % Recovery									
Alkali Metals				Result 1					
Magnesium	R22-Oc0046901	NCP	%	91			75-125	Pass	
Potassium	R22-Oc0046901	NCP	%	87			75-125	Pass	
Sodium	R22-Oc0046901	NCP	%	100			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S22-Oc0049025	CP	%	96			70-130	Pass	
Naphthalene	S22-Oc0046750	NCP	%	114			70-130	Pass	
TRH >C10-C16	S22-Oc0049025	CP	%	93			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S22-Oc0046750	NCP	%	108			70-130	Pass	
Toluene	S22-Oc0046750	NCP	%	108			70-130	Pass	
Ethylbenzene	S22-Oc0046750	NCP	%	110			70-130	Pass	
m&p-Xylenes	S22-Oc0046750	NCP	%	114			70-130	Pass	
o-Xylene	S22-Oc0046750	NCP	%	112			70-130	Pass	
Xylenes - Total*	S22-Oc0046750	NCP	%	114			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1.1-Trichloroethane	S22-Oc0046750	NCP	%	97			70-130	Pass	
1.2-Dichlorobenzene	S22-Oc0046750	NCP	%	119			70-130	Pass	
1.2-Dichloroethane	S22-Oc0046750	NCP	%	107			70-130	Pass	
Trichloroethene	S22-Oc0046750	NCP	%	107			70-130	Pass	
Spike - % Recovery									
				Result 1					
Chloride	S22-Oc0049026	CP	%	130			70-130	Pass	
Sulphate (as SO4)	S22-Oc0049026	CP	%	125			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
				Result 1					
Chloride	S22-Oc0049027	CP	%	83			70-130	Pass	
Sulphate (as SO4)	S22-Oc0049027	CP	%	101			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S22-Oc0049024	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S22-Oc0049024	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S22-Oc0049024	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	S22-Oc0049024	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S22-Oc0049024	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S22-Oc0049024	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	S22-Oc0049024	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Chloride	S22-Oc0049024	CP	mg/L	8600	8600	<1	30%	Pass	
Conductivity (at 25 °C)	N22-Oc0043216	NCP	uS/cm	370	450	19	30%	Pass	
Sulphate (as SO4)	S22-Oc0049024	CP	mg/L	430	430	<1	30%	Pass	
Turbidity	S22-Oc0049024	CP	NTU	72	72	<1	30%	Pass	
Duplicate									
Alkalinity (speciated)				Result 1	Result 2	RPD			
Bicarbonate Alkalinity (as CaCO3)	B22-Oc0050038	NCP	mg/L	640	600	6.8	30%	Pass	
Carbonate Alkalinity (as CaCO3)	B22-Oc0050038	NCP	mg/L	< 10	< 10	<1	30%	Pass	
Hydroxide Alkalinity (as CaCO3)	B22-Oc0050038	NCP	mg/L	< 20	< 20	<1	30%	Pass	
Total Alkalinity (as CaCO3)	B22-Oc0050038	NCP	mg/L	640	600	6.8	30%	Pass	
Duplicate									
Alkali Metals				Result 1	Result 2	RPD			
Calcium	S22-Oc0049024	CP	mg/L	170	180	1.9	30%	Pass	
Magnesium	S22-Oc0049024	CP	mg/L	900	890	<1	30%	Pass	
Potassium	S22-Oc0049024	CP	mg/L	25	25	<1	30%	Pass	
Sodium	S22-Oc0049024	CP	mg/L	4500	4500	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S22-Oc0046749	NCP	mg/L	0.06	0.05	18	30%	Pass	
Naphthalene	S22-Oc0046749	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	S22-Oc0046749	NCP	mg/L	0.06	0.05	19	30%	Pass	

Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S22-Oc0046749	NCP	mg/L	0.028	0.025	8.8	30%	Pass	
Ethylbenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Oc0046749	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S22-Oc0046749	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	S22-Oc0049025	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium (filtered)	S22-Oc0049025	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	S22-Oc0049025	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	S22-Oc0049025	CP	mg/L	0.002	0.002	8.2	30%	Pass	
Lead (filtered)	S22-Oc0049025	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	S22-Oc0049025	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	S22-Oc0049025	CP	mg/L	0.002	0.002	6.7	30%	Pass	
Zinc (filtered)	S22-Oc0049025	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Dichlorodifluoromethane	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Iodomethane	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Methylene Chloride	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Styrene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S22-Oc0046749	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S22-Oc0046749	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q09	The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC

Authorised by:

Bonnie Pu	Analytical Services Manager
Dilani Samarakoon	Senior Analyst-Inorganic
Gabriele Cordero	Senior Analyst-Metal
Mary Makarios	Senior Analyst-Inorganic
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Eurofins H20 1 of 1

1/1

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: SCHOFIELDS – GME	SAMPLERS: Alex Alay
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...sgunnathunge...@jbsg.com.au; (3) ...aalay...@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

* Pls send QA samples to Envirolab (QA-20221019).

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	PAH	TRH/BTEX	TRH/VOCs	Cations/anions	pH/ECturbidity	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
GW01	WATER	19-10-22		Amber/Green/Vials/Metals+Ice		X	X	X		X	X			
GW02				"		X	X		X	X	X			
GW03				"		X	X		X	X	X			
GW04				"		X	X	X		X	X			
GW05				"		X	X	X		X	X			
RINSATE				Amber + VOC Vials + Ice			X	.	X					
QC-20221019				Amber/Green/Vials/Metals+Ice		X	X	X		X	X			
QA-20221019	"	"		"		Please forward to Envirolab								

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Alex Alay DATE: 19-10-22 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: Adam Bateman 6:04pm DATE: 20/10/22 OF:	COOLER SEAL – Yes..... No..... Intact..... Broken..... COOLER TEMP 2.1°C ..... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No..... Intact..... Broken..... COOLER TEMP .....deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

934431 Cooler chilled

Enviolab H20 1 of 1

Chain of Custody

JBS&G

PROJECT NO.: 62343	LABORATORY BATCH NO.:
PROJECT NAME: Schofields - GME	SAMPLERS: Alex Aloy
DATE NEEDED BY: Standard TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) aaloy@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	PAH	TRH/BTEX	Cations/anions	PH/EC (turbidity)	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
QA-20221019	WATER	19-10-22		Amber/Green/Vials/Metal + Ice		x	x	x	x	x			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Alex Aloy DATE: 19-10-22 OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	4/52 Industrial Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield East NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	PO Box 60 Wickham 2293
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	Tel: +61 2 4968 8448
NATA# 1261 Site# 1254	NATA# 1261 Site# 1254	NATA# 1261 Site# 18217		NATA# 1261 Site# 20794	NATA# 1261 Site# 25079

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377 Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch
35 O'Rorke Road	43 Detroit Drive
Penrose,	Rolleston,
Auckland 1061	Christchurch 7675
Tel: +64 9 526 45 51	Tel: 0800 856 450
IANZ# 1327	IANZ# 1290

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	SCHOFIELDS - GME
Project ID:	62343
Turnaround time:	5 Day
Date/Time received	Oct 20, 2022 1:01 PM
Eurofins reference	934431

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 2.1 degrees Celsius.
✓	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

Sample QA-20221019 forwarded to Envirolab.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

Global Leader - Results you can trust

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **1038740-S**
Project name GUNTAWONG ROAD DGA
Project ID 62343
Received Date Oct 25, 2023

Client Sample ID			SP06-07E 0.3-0.4	SP06-07D 0-0.1	SP06-07B 0.3-0.4	SP06-07C 0.5-0.6
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S23-Oc0065186**	**S23-Oc0065187**	**S23-Oc0065188**	**S23-Oc0065189**
Date Sampled			**Oct 25, 2023**	**Oct 25, 2023**	**Oct 25, 2023**	**Oct 25, 2023**
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	480	86	83	33
Sample Properties						
% Moisture	1	%	9.7	11	13	10

Client Sample ID			TP091B 0-0.1	TP091E 0-0.1	TP091C 0-0.1	TP091D 0-0.1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S23-Oc0065190**	**S23-Oc0065191**	**S23-Oc0065192**	**S23-Oc0065193**
Date Sampled			**Oct 25, 2023**	**Oct 25, 2023**	**Oct 25, 2023**	**Oct 25, 2023**
Test/Reference	LOR	Unit				
Heavy Metals						
Copper	5	mg/kg	58	31	47	62
Lead	5	mg/kg	11000	3200	8700	7000
Zinc	5	mg/kg	54	60	30	69
Sample Properties						
% Moisture	1	%	5.8	11	12	11
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	27	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	130	< 50	98	130
TRH C29-C36	50	mg/kg	290	52	140	190
TRH C10-C36 (Total)	50	mg/kg	447	52	238	320
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	320	< 100	190	270
TRH >C34-C40	100	mg/kg	380	< 100	110	150
TRH >C10-C40 (total)*	100	mg/kg	700	< 100	300	420
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP091A 0-0.1	TP134C 0-0.1	TP134D 0-0.1	TP134A 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065194	S23-Oc0065195	S23-Oc0065196	S23-Oc0065197
Date Sampled			Oct 25, 2023	Oct 25, 2023	Oct 25, 2023	Oct 25, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Copper	5	mg/kg	41	-	-	-
Lead	5	mg/kg	9700	780	110	110
Zinc	5	mg/kg	90	-	-	-
Sample Properties						
% Moisture	1	%	13	9.8	6.7	8.6
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	31	-	-	-
TRH C15-C28	50	mg/kg	190	-	-	-
TRH C29-C36	50	mg/kg	310	-	-	-
TRH C10-C36 (Total)	50	mg/kg	531	-	-	-
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	-	-	-
TRH >C16-C34	100	mg/kg	410	-	-	-
TRH >C34-C40	100	mg/kg	380	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	790	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			TP134B 0-0.1	TP124C 0-0.1	TP124D 0-0.1	TP124B 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065198	S23-Oc0065199	S23-Oc0065200	S23-Oc0065201
Date Sampled			Oct 25, 2023	Oct 25, 2023	Oct 25, 2023	Oct 25, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	4300	9600	86	240
Sample Properties						
% Moisture	1	%	7.3	13	8.1	9.4

Client Sample ID			TP124A 0-0.1	TP125D 0-0.1	TP125C 0-0.1	TP125A 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065202	S23-Oc0065203	S23-Oc0065204	S23-Oc0065205
Date Sampled			Oct 25, 2023	Oct 25, 2023	Oct 25, 2023	Oct 25, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Cadmium	0.4	mg/kg	-	2.6	0.6	15
Lead	5	mg/kg	1800	1700	73	3800
Sample Properties						
% Moisture	1	%	17	17	15	15

Client Sample ID			TP125B 0-0.1	TP114C 0-0.1	TP114D 0-0.1	TP114A 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065206	S23-Oc0065207	S23-Oc0065208	S23-Oc0065209
Date Sampled			Oct 25, 2023	Oct 25, 2023	Oct 25, 2023	Oct 25, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Cadmium	0.4	mg/kg	3.5	-	-	-
Lead	5	mg/kg	16000	500	320	240
Sample Properties						
% Moisture	1	%	15	11	15	9.4

Client Sample ID			TP114B 0-0.1	[G01]PP01_A 0-0.1	PP01_B 0-0.1	PP02_A 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065210	S23-Oc0065214	S23-Oc0065215	S23-Oc0065216
Date Sampled			Oct 25, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	9.6	11	12
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	-	20	24	26
Copper	5	mg/kg	-	12	11	14
Lead	5	mg/kg	1300	26	22	18
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	-	5.7	7.2	6.6
Zinc	5	mg/kg	-	55	31	22
Sample Properties						
% Moisture	1	%	11	6.9	6.1	12
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	-	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	-	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	-	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	-	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	-	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	-	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	-	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5

Client Sample ID			TP114B 0-0.1	[G01]PP01_A 0-0.1	PP01_B 0-0.1	PP02_A 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065210	S23-Oc0065214	S23-Oc0065215	S23-Oc0065216
Date Sampled			Oct 25, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	63	88	100
p-Terphenyl-d14 (surr.)	1	%	-	72	104	114
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	< 10	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.5	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	57	115	135
Tetrachloro-m-xylene (surr.)	1	%	-	76	97	105

Client Sample ID			PP02_B 0-0.1	PP03_A 0-0.1	[G01]PP03_B 0-0.1	[G01]SP07_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065217	S23-Oc0065218	S23-Oc0065219	S23-Oc0065220
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	16	12	5.9	4.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	58	26	19	14
Copper	5	mg/kg	9.9	15	32	23
Lead	5	mg/kg	25	64	210	92
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	0.1
Nickel	5	mg/kg	6.9	6.6	18	6.9
Zinc	5	mg/kg	41	61	140	68
Sample Properties						
% Moisture	1	%	5.4	9.5	6.1	9.5
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	75	101	69	71
p-Terphenyl-d14 (surr.)	1	%	83	112	75	56

Client Sample ID			PP02_B 0-0.1	PP03_A 0-0.1	[G01]PP03_B 0-0.1	[G01]SP07_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065217	S23-Oc0065218	S23-Oc0065219	S23-Oc0065220
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 10	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	71	147	58	61
Tetrachloro-m-xylene (surr.)	1	%	89	105	86	69
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	%	-	-	-	102
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 1
Aroclor-1221	0.1	mg/kg	-	-	-	< 1
Aroclor-1232	0.1	mg/kg	-	-	-	< 1
Aroclor-1242	0.1	mg/kg	-	-	-	< 1
Aroclor-1248	0.1	mg/kg	-	-	-	< 1
Aroclor-1254	0.1	mg/kg	-	-	-	< 1
Aroclor-1260	0.1	mg/kg	-	-	-	< 1
Total PCB*	0.1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	61
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	69

Client Sample ID			[G01]SP07_02	[G01]SP07_03	TP178A 0-0.1	TP178B 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065221	S23-Oc0065222	S23-Oc0065223	S23-Oc0065224
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.6	5.7	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	12	12	-	-
Copper	5	mg/kg	26	22	-	-
Lead	5	mg/kg	18	81	32	60
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	15	6.6	-	-
Zinc	5	mg/kg	65	65	-	-
Sample Properties						
% Moisture	1	%	9.9	11	6.9	6.9
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	-	-
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	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	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	%	65	73	-	-
p-Terphenyl-d14 (surr.)	1	%	58	73	-	-

Client Sample ID			[G01]SP07_02	[G01]SP07_03	TP178A 0-0.1	TP178B 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065221	S23-Oc0065222	S23-Oc0065223	S23-Oc0065224
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 1	-	-
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.5	-	-
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.5	-	-
a-HCH	0.05	mg/kg	< 0.5	< 0.5	-	-
Aldrin	0.05	mg/kg	< 0.5	< 0.5	-	-
b-HCH	0.05	mg/kg	< 0.5	< 0.5	-	-
d-HCH	0.05	mg/kg	< 0.5	< 0.5	-	-
Dieldrin	0.05	mg/kg	< 0.5	< 0.5	-	-
Endosulfan I	0.05	mg/kg	< 0.5	< 0.5	-	-
Endosulfan II	0.05	mg/kg	< 0.5	< 0.5	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.5	-	-
Endrin	0.05	mg/kg	< 0.5	< 0.5	-	-
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.5	-	-
Endrin ketone	0.05	mg/kg	< 0.5	< 0.5	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.5	-	-
Heptachlor	0.05	mg/kg	< 0.5	< 0.5	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.5	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.5	-	-
Methoxychlor	0.05	mg/kg	< 0.5	< 0.5	-	-
Toxaphene	0.5	mg/kg	< 10	< 10	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 1	-	-
Dibutylchlorendate (surr.)	1	%	INT	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	81	79	-	-
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	%	119	75	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1221	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1232	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1242	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1248	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1254	0.1	mg/kg	< 1	< 1	-	-
Aroclor-1260	0.1	mg/kg	< 1	< 1	-	-
Total PCB*	0.1	mg/kg	< 1	< 1	-	-
Dibutylchlorendate (surr.)	1	%	INT	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	81	79	-	-

Client Sample ID			TP178C 0-0.1	TP178D 0-0.1	TP183A 0-0.1	TP183B 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065225	S23-Oc0065226	S23-Oc0065227	S23-Oc0065228
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	62	19	45	540
Sample Properties						
% Moisture	1	%	4.0	8.9	9.7	9.5

Client Sample ID			TP183C 0-0.1	TP183D 0-0.1	TP197A 0-0.1	TP197B 0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065229	S23-Oc0065230	S23-Oc0065231	S23-Oc0065232
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	260	63	270	360
Sample Properties						
% Moisture	1	%	7.4	5.8	11	11

Client Sample ID			TP197C 0-0.1	TP197D 0-0.1	[G01]QA02	QA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065233	S23-Oc0065234	S23-Oc0065235	S23-Oc0065236
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	-	8.8	-
Cadmium	0.4	mg/kg	-	-	< 0.4	-
Chromium	5	mg/kg	-	-	18	-
Copper	5	mg/kg	-	-	11	-
Lead	5	mg/kg	330	460	26	1100
Mercury	0.1	mg/kg	-	-	< 0.1	-
Nickel	5	mg/kg	-	-	5.7	-
Zinc	5	mg/kg	-	-	51	-
Sample Properties						
% Moisture	1	%	13	12	6.1	13
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	22	-
TRH C15-C28	50	mg/kg	-	-	59	-
TRH C29-C36	50	mg/kg	-	-	61	-
TRH C10-C36 (Total)	50	mg/kg	-	-	142	-
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	-
TRH >C16-C34	100	mg/kg	-	-	100	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	100	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP197C 0-0.1	TP197D 0-0.1	[G01]QA02	QA01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0065233	S23-Oc0065234	S23-Oc0065235	S23-Oc0065236
Date Sampled			Oct 24, 2023	Oct 24, 2023	Oct 24, 2023	Oct 24, 2023
Test/Reference	LOR	Unit				
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	%	-	-	82	-
p-Terphenyl-d14 (surr.)	1	%	-	-	79	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.5	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.5	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.5	-
a-HCH	0.05	mg/kg	-	-	< 0.5	-
Aldrin	0.05	mg/kg	-	-	< 0.5	-
b-HCH	0.05	mg/kg	-	-	< 0.5	-
d-HCH	0.05	mg/kg	-	-	< 0.5	-
Dieldrin	0.05	mg/kg	-	-	< 0.5	-
Endosulfan I	0.05	mg/kg	-	-	< 0.5	-
Endosulfan II	0.05	mg/kg	-	-	< 0.5	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.5	-
Endrin	0.05	mg/kg	-	-	< 0.5	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.5	-
Endrin ketone	0.05	mg/kg	-	-	< 0.5	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.5	-
Heptachlor	0.05	mg/kg	-	-	< 0.5	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.5	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.5	-
Methoxychlor	0.05	mg/kg	-	-	< 0.5	-
Toxaphene	0.5	mg/kg	-	-	< 10	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 1	-
Dibutylchlorendate (surr.)	1	%	-	-	53	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	91	-

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
JBS&G Suite 2A			
Metals M8	Sydney	Oct 29, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
BTEX	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polychlorinated Biphenyls	Sydney	Oct 29, 2023	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Heavy Metals	Sydney	Oct 29, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Oct 27, 2023	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																				
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**															
1	SP06-07E 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065186						X						X			
2	SP06-07D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065187						X						X			
3	SP06-07B 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065188						X						X			
4	SP06-07C 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065189						X						X			
5	TP091B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065190				X		X	X					X	X		
6	TP091E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065191				X		X	X					X	X		
7	TP091C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065192				X		X	X					X	X		
8	TP091D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065193				X		X	X					X	X		
9	TP091A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065194				X		X	X					X	X		
10	TP134C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065195						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
Tel: +61 3 8564 5000
NATA# 1261
Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
Tel: +61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
179 Magowar Road
Girraween
NSW 2145
Tel: +61 2 9900 8400
NATA# 1261
Site# 18217

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
Tel: +61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
1/21 Smallwood Place
Murarrie
QLD 4172
Tel: +61 7 3902 4600
NATA# 1261
Site# 20794

Newcastle
1/2 Frost Drive
Mayfield West NSW 2304
Tel: +61 2 4968 8448
NATA# 1261
Site# 25079 & 25289

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland
35 O'Rorke Road
Penrose,
Auckland 1061
Tel: +64 9 526 4551
IANZ# 1327

Christchurch
43 Detroit Drive
Rolleston,
Christchurch 7675
Tel: +64 3 343 5201
IANZ# 1290

Tauranga
1277 Cameron Road,
Gate Pa,
Tauranga 3112
Tel: +64 9 525 0568
IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	TP134D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065196						X						X			
12	TP134A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065197						X						X			
13	TP134B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065198						X						X			
14	TP124C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065199						X						X			
15	TP124D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065200						X						X			
16	TP124B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065201						X						X			
17	TP124A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065202						X						X			
18	TP125D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065203		X				X						X			
19	TP125C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065204		X				X						X			
20	TP125A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065205		X				X						X			
21	TP125B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065206		X				X						X			
22	TP114C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065207						X						X			
23	TP114D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065208						X						X			
24	TP114A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065209						X						X			
25	TP114B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065210						X						X			
26	SP06 TRAY	Oct 25, 2023		Building	S23-Oc0065211	X														

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	SP06 TRAY	Oct 25, 2023		Building Materials	S23-Oc0065211															
27	TRIP SPIKE	Oct 25, 2023		Water	S23-Oc0065212															X
28	TRIP BLANK	Oct 25, 2023		Water	S23-Oc0065213											X				
29	PP01_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065214								X	X	X		X	X		
30	PP01_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065215								X	X	X		X	X		
31	PP02_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065216								X	X	X		X	X		
32	PP02_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065217								X	X	X		X	X		
33	PP03_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065218								X	X	X		X	X		
34	PP03_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065219								X	X	X		X	X		
35	SP07_01	Oct 24, 2023		Soil	S23-Oc0065220												X		X	
36	SP07_02	Oct 24, 2023		Soil	S23-Oc0065221												X		X	
37	SP07_03	Oct 24, 2023		Soil	S23-Oc0065222												X		X	
38	TP178A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065223						X						X			
39	TP178B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065224						X						X			
40	TP178C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065225						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	TP178D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065226						X						X			
42	TP183A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065227						X						X			
43	TP183B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065228						X						X			
44	TP183C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065229						X						X			
45	TP183D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065230						X						X			
46	TP197A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065231						X						X			
47	TP197B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065232						X						X			
48	TP197C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065233						X						X			
49	TP197D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065234						X						X			
50	QA02	Oct 24, 2023		Soil	S23-Oc0065235								X	X	X		X	X		
51	QA01	Oct 24, 2023		Soil	S23-Oc0065236						X						X			
52	SP06-07E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065237					X										
53	SP06-07E 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065238					X										
54	SP06-07D 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065239					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55	SP06-07B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065240					X										
56	SP06-07B 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065241					X										
57	SP06-07C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065242					X										
58	SP06-07C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065243					X										
59	SP06-07C 0.7-0.8	Oct 25, 2023		Soil	S23-Oc0065244					X										
60	SP06-07A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065245					X										
61	SP06-07A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065246					X										
62	SP06-07A 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065247					X										
63	TP091B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065248					X										
64	TP091E 0.2-	Oct 25, 2023		Soil	S23-Oc0065249					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.3																			
65	TP091C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065250					X										
66	TP091D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065251					X										
67	TP091A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065252					X										
68	TP091A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065253					X										
69	TP134C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065254					X										
70	TP134D 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065255					X										
71	TP134A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065256					X										
72	TP134B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065257					X										
73	TP124C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065258					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
74	TP124D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065259					X										
75	TP124B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065260			X												
76	TP124A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065261					X										
77	TP125D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065262					X										
78	TP125C 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065263					X										
79	TP125A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065264					X										
80	TP125B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065265					X										
81	TP114C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065266					X										
82	TP114D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065267					X										
83	TP114A 0.3-	Oct 25, 2023		Soil	S23-Oc0065268					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.4																			
84	TP114B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065269					X										
85	TP178A 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065270					X										
86	TP178C 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065271					X										
87	TP178C 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065272					X										
88	TP178 0.9-1.0	Oct 24, 2023		Soil	S23-Oc0065273					X										
89	TP178D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065274					X										
90	TP183A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065275					X										
91	TP183B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065276					X										
92	TP183B 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065277					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93	TP183B 1.0-1.1	Oct 24, 2023		Soil	S23-Oc0065278					X										
94	TP183B1.5-1.6	Oct 24, 2023		Soil	S23-Oc0065279					X										
95	TP183C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065280					X										
96	TP183D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065281					X										
97	TP197A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065282					X										
98	TP197B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065283					X										
99	TP197C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065284					X										
100	TP197D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065285					X										
101	TP178B 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065286					X										
102	TP197A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065287					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
103	183B	Oct 25, 2023		Building Materials	S23-Oc0065608					X										
104	SP06.07E	Oct 25, 2023		Soil	S23-Oc0065609					X										
105	SP06.07C-0.2	Oct 25, 2023		Building Materials	S23-Oc0065610					X										
Test Counts						1	4	1	5	53	38	5	7	7	7	1	48	12	3	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. All soil/sediment/solid results are reported on a dry weight basis unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion unless otherwise stated.
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.
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 date of sampling; 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 7 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
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit

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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30%; however the following acceptance guidelines are equally applicable: Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported, have been reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	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	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
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							
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	
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	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	94			80-120	Pass	
Cadmium	%	100			80-120	Pass	
Cadmium	%	106			80-120	Pass	
Chromium	%	105			80-120	Pass	
Copper	%	105			80-120	Pass	
Copper	%	106			80-120	Pass	
Lead	%	111			80-120	Pass	
Lead	%	111			80-120	Pass	
Mercury	%	108			80-120	Pass	
Nickel	%	106			80-120	Pass	
Zinc	%	104			80-120	Pass	
Zinc	%	109			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	84			70-130	Pass	
TRH C10-C14	%	92			70-130	Pass	
TRH C6-C10	%	85			70-130	Pass	
TRH >C10-C16	%	91			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	89			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	102			70-130	Pass	
Acenaphthylene	%	95			70-130	Pass	
Anthracene	%	86			70-130	Pass	
Benz(a)anthracene	%	84			70-130	Pass	
Benzo(a)pyrene	%	89			70-130	Pass	
Benzo(b&j)fluoranthene	%	77			70-130	Pass	
Benzo(g.h.i)perylene	%	129			70-130	Pass	
Benzo(k)fluoranthene	%	108			70-130	Pass	
Chrysene	%	102			70-130	Pass	
Dibenz(a.h)anthracene	%	88			70-130	Pass	
Fluoranthene	%	86			70-130	Pass	
Fluorene	%	91			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	86			70-130	Pass	
Naphthalene	%	102			70-130	Pass	
Phenanthrene	%	82			70-130	Pass	
Pyrene	%	86			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	93			70-130	Pass	
4.4'-DDD	%	71			70-130	Pass	
4.4'-DDE	%	92			70-130	Pass	
4.4'-DDT	%	79			70-130	Pass	
a-HCH	%	86			70-130	Pass	
Aldrin	%	88			70-130	Pass	
b-HCH	%	81			70-130	Pass	
d-HCH	%	71			70-130	Pass	
Dieldrin	%	92			70-130	Pass	
Endosulfan I	%	74			70-130	Pass	
Endosulfan II	%	86			70-130	Pass	
Endosulfan sulphate	%	80			70-130	Pass	
Endrin	%	101			70-130	Pass	
Endrin aldehyde	%	78			70-130	Pass	
Endrin ketone	%	82			70-130	Pass	
g-HCH (Lindane)	%	74			70-130	Pass	
Heptachlor	%	90			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	90			70-130	Pass	
Methoxychlor	%	72			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	110			70-130	Pass	
Toluene	%	117			70-130	Pass	
Ethylbenzene	%	109			70-130	Pass	
m&p-Xylenes	%	115			70-130	Pass	
o-Xylene	%	111			70-130	Pass	
Xylenes - Total*	%	114			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	81			70-130	Pass	
Aroclor-1260	%	73			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Zinc	S23-Oc0063012	NCP	%	111			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	R23-Oc0061956	NCP	%	100			70-130	Pass	
TRH C6-C10	R23-Oc0061956	NCP	%	102			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	R23-Oc0061956	NCP	%	78			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S23-Oc0065217	CP	%	106			70-130	Pass	
TRH >C10-C16	S23-Oc0065217	CP	%	104			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
4.4'-DDD	S23-Oc0065219	CP	%	76			70-130	Pass	
b-HCH	S23-Oc0065219	CP	%	127			70-130	Pass	
g-HCH (Lindane)	S23-Oc0065219	CP	%	127			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	R23-Oc0061956	NCP	%	105			70-130	Pass	
Toluene	R23-Oc0061956	NCP	%	102			70-130	Pass	
Ethylbenzene	R23-Oc0061956	NCP	%	105			70-130	Pass	
m&p-Xylenes	R23-Oc0061956	NCP	%	107			70-130	Pass	
o-Xylene	R23-Oc0061956	NCP	%	104			70-130	Pass	
Xylenes - Total*	R23-Oc0061956	NCP	%	106			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S23-Oc0065230	CP	%	95			75-125	Pass	
Cadmium	S23-Oc0065230	CP	%	97			75-125	Pass	
Chromium	S23-Oc0065230	CP	%	102			75-125	Pass	
Copper	S23-Oc0065230	CP	%	99			75-125	Pass	
Lead	S23-Oc0065230	CP	%	85			75-125	Pass	
Mercury	S23-Oc0065230	CP	%	109			75-125	Pass	
Nickel	S23-Oc0065230	CP	%	100			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	S23-Oc0065186	CP	mg/kg	9.7	5.9	49	30%	Fail	Q15
Cadmium	S23-Oc0065186	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S23-Oc0065186	CP	mg/kg	19	11	49	30%	Fail	Q15
Copper	S23-Oc0065186	CP	mg/kg	37	30	21	30%	Pass	
Mercury	S23-Oc0065186	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0065186	CP	mg/kg	14	6.5	75	30%	Fail	Q15
Zinc	S23-Oc0065186	CP	mg/kg	57	91	46	30%	Fail	Q15
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0065188	CP	%	13	10	24	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0065190	CP	mg/kg	11	9.2	20	30%	Pass	
Cadmium	S23-Oc0065190	CP	mg/kg	2.0	2.5	22	30%	Pass	
Chromium	S23-Oc0065190	CP	mg/kg	23	23	<1	30%	Pass	
Copper	S23-Oc0065190	CP	mg/kg	58	73	22	30%	Pass	
Lead	S23-Oc0065190	CP	mg/kg	11000	11000	<1	30%	Pass	
Mercury	S23-Oc0065190	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0065190	CP	mg/kg	26	26	<1	30%	Pass	
Zinc	S23-Oc0065190	CP	mg/kg	54	60	11	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0065196	CP	mg/kg	9.1	8.1	11	30%	Pass	
Cadmium	S23-Oc0065196	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S23-Oc0065196	CP	mg/kg	19	17	13	30%	Pass	
Copper	S23-Oc0065196	CP	mg/kg	12	12	5.7	30%	Pass	
Lead	S23-Oc0065196	CP	mg/kg	110	140	20	30%	Pass	
Mercury	S23-Oc0065196	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0065196	CP	mg/kg	15	12	25	30%	Pass	
Zinc	S23-Oc0065196	CP	mg/kg	50	49	3.7	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0065198	CP	%	7.3	8.7	17	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0065207	CP	mg/kg	15	12	28	30%	Pass	
Cadmium	S23-Oc0065207	CP	mg/kg	4.1	2.7	40	30%	Fail	Q15
Chromium	S23-Oc0065207	CP	mg/kg	41	30	30	30%	Pass	
Copper	S23-Oc0065207	CP	mg/kg	20	20	1.7	30%	Pass	
Mercury	S23-Oc0065207	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0065207	CP	mg/kg	12	9.1	31	30%	Fail	Q15
Zinc	S23-Oc0065207	CP	mg/kg	47	39	20	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0065208	CP	%	15	16	5.2	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
a-HCH	S23-Oc0067209	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S23-Oc0067209	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S23-Oc0065215	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S23-Oc0065215	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S23-Oc0065215	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S23-Oc0065215	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S23-Oc0065215	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S23-Oc0065215	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S23-Oc0065215	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S23-Oc0065215	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S23-Oc0065215	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S23-Oc0065218	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S23-Oc0065218	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S23-Oc0065218	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S23-Oc0065218	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S23-Oc0065218	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S23-Oc0065218	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S23-Oc0065218	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S23-Oc0065218	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S23-Oc0065218	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	R23-Oc0061955	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	R23-Oc0061955	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	R23-Oc0061955	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	R23-Oc0061955	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	R23-Oc0061955	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	R23-Oc0061955	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0065221	CP	%	9.9	10	1.3	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0065229	CP	mg/kg	5.9	6.4	6.8	30%	Pass	
Cadmium	S23-Oc0065229	CP	mg/kg	0.9	1.1	22	30%	Pass	
Chromium	S23-Oc0065229	CP	mg/kg	15	14	10	30%	Pass	
Copper	S23-Oc0065229	CP	mg/kg	44	44	<1	30%	Pass	
Lead	S23-Oc0065229	CP	mg/kg	260	300	13	30%	Pass	
Mercury	S23-Oc0065229	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0065229	CP	mg/kg	9.3	11	14	30%	Pass	
Zinc	S23-Oc0065229	CP	mg/kg	310	350	13	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0065231	CP	%	11	11	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
G01	The LORs have been raised due to matrix interference
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
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Adam Bateup	Analytical Services Manager
Fang Yee Tan	Senior Analyst-Metal
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Certificate of Analysis

Environment Testing

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025–Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Sahani Gunatunge
Report	1038740-AID-V2
Project Name	GUNTAWONG ROAD DGA
Project ID	62343
Received Date	Oct 25, 2023
Date Reported	Dec 21, 2023

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name GUNTAWONG ROAD DGA
Project ID 62343
Date Sampled Oct 24, 2023 to Oct 25, 2023
Report 1038740-AID-V2

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
SP07_03	23-Oc0065211	Oct 25, 2023	Approximate Sample 671g Sample consisted of: Brown coarse-grained clayey soil, cement, plaster, organic debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP07_01	23-Oc0065220	Oct 24, 2023	Approximate Sample 707g Sample consisted of: Brown coarse-grained clayey soil, cement, plaster, organic debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP07_02	23-Oc0065221	Oct 24, 2023	Approximate Sample 717g Sample consisted of: Brown coarse-grained clayey soil, cement, plaster, organic debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
SP06 FRAG	23-Oc0065222	Oct 24, 2023	Approximate Sample 23g / 50x50x5mm Sample consisted of: Grey fibre cement material	Chrysotile, amosite and crocidolite asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Oct 27, 2023	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Oct 27, 2023	Indefinite

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																				
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**															
1	SP06-07E 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065186						X						X			
2	SP06-07D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065187						X						X			
3	SP06-07B 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065188						X						X			
4	SP06-07C 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065189						X						X			
5	TP091B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065190				X		X	X					X	X		
6	TP091E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065191				X		X	X					X	X		
7	TP091C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065192				X		X	X					X	X		
8	TP091D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065193				X		X	X					X	X		
9	TP091A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065194				X		X	X					X	X		
10	TP134C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065195						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	TP134D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065196						X						X			
12	TP134A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065197						X						X			
13	TP134B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065198						X						X			
14	TP124C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065199						X						X			
15	TP124D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065200						X						X			
16	TP124B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065201						X						X			
17	TP124A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065202						X						X			
18	TP125D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065203		X				X						X			
19	TP125C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065204		X				X						X			
20	TP125A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065205		X				X						X			
21	TP125B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065206		X				X						X			
22	TP114C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065207						X						X			
23	TP114D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065208						X						X			
24	TP114A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065209						X						X			
25	TP114B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065210						X						X			
26	SP07_03	Oct 25, 2023		Building	S23-Oc0065211	X														

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	SP07_03	Oct 25, 2023		Building Materials	S23-Oc0065211															
27	TRIP SPIKE	Oct 25, 2023		Water	S23-Oc0065212															X
28	TRIP BLANK	Oct 25, 2023		Water	S23-Oc0065213											X				
29	PP01_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065214								X	X	X		X	X		
30	PP01_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065215								X	X	X		X	X		
31	PP02_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065216								X	X	X		X	X		
32	PP02_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065217								X	X	X		X	X		
33	PP03_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065218								X	X	X		X	X		
34	PP03_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065219								X	X	X		X	X		
35	SP07_01	Oct 24, 2023		Soil	S23-Oc0065220												X		X	
36	SP07_02	Oct 24, 2023		Soil	S23-Oc0065221												X		X	
37	SP06 FRAG	Oct 24, 2023		Soil	S23-Oc0065222												X		X	
38	TP178A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065223						X						X			
39	TP178B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065224						X						X			
40	TP178C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065225						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	TP178D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065226						X						X			
42	TP183A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065227						X						X			
43	TP183B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065228						X						X			
44	TP183C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065229						X						X			
45	TP183D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065230						X						X			
46	TP197A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065231						X						X			
47	TP197B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065232						X						X			
48	TP197C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065233						X						X			
49	TP197D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065234						X						X			
50	QA02	Oct 24, 2023		Soil	S23-Oc0065235								X	X	X		X	X		
51	QA01	Oct 24, 2023		Soil	S23-Oc0065236						X						X			
52	SP06-07E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065237					X										
53	SP06-07E 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065238					X										
54	SP06-07D 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065239					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55	SP06-07B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065240					X										
56	SP06-07B 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065241					X										
57	SP06-07C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065242					X										
58	SP06-07C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065243					X										
59	SP06-07C 0.7-0.8	Oct 25, 2023		Soil	S23-Oc0065244					X										
60	SP06-07A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065245					X										
61	SP06-07A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065246					X										
62	SP06-07A 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065247					X										
63	TP091B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065248					X										
64	TP091E 0.2-	Oct 25, 2023		Soil	S23-Oc0065249					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.3																			
65	TP091C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065250					X										
66	TP091D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065251					X										
67	TP091A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065252					X										
68	TP091A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065253					X										
69	TP134C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065254					X										
70	TP134D 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065255					X										
71	TP134A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065256					X										
72	TP134B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065257					X										
73	TP124C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065258					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
74	TP124D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065259					X										
75	TP124B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065260			X												
76	TP124A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065261					X										
77	TP125D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065262					X										
78	TP125C 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065263					X										
79	TP125A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065264					X										
80	TP125B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065265					X										
81	TP114C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065266					X										
82	TP114D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065267					X										
83	TP114A 0.3-	Oct 25, 2023		Soil	S23-Oc0065268					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.4																			
84	TP114B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065269					X										
85	TP178A 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065270					X										
86	TP178C 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065271					X										
87	TP178C 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065272					X										
88	TP178 0.9-1.0	Oct 24, 2023		Soil	S23-Oc0065273					X										
89	TP178D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065274					X										
90	TP183A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065275					X										
91	TP183B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065276					X										
92	TP183B 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065277					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93	TP183B 1.0-1.1	Oct 24, 2023		Soil	S23-Oc0065278					X										
94	TP183B1.5-1.6	Oct 24, 2023		Soil	S23-Oc0065279					X										
95	TP183C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065280					X										
96	TP183D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065281					X										
97	TP197A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065282					X										
98	TP197B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065283					X										
99	TP197C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065284					X										
100	TP197D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065285					X										
101	TP178B 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065286					X										
102	TP197A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065287					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Asb)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
103	183B	Oct 25, 2023		Building Materials	S23-Oc0065608					X										
104	SP06.07E	Oct 25, 2023		Soil	S23-Oc0065609					X										
105	SP06.07C-0.2	Oct 25, 2023		Building Materials	S23-Oc0065610					X										
Test Counts						1	4	1	5	53	38	5	7	7	7	1	48	12	3	1

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**). This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to “non-bonded / friable”.
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory’s remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
Sampling	Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

V2- new version to amend sample IDs as per client request.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Bennel Jiri	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **1038740-W**
Project name GUNTAWONG ROAD DGA
Project ID 62343
Received Date Oct 25, 2023

Client Sample ID			**TRIP SPIKE**	**TRIP BLANK**
Sample Matrix			**Water**	**Water**
Eurofins Sample No.			**S23-Oc0065212**	**S23-Oc0065213**
Date Sampled			**Oct 25, 2023**	**Oct 25, 2023**
Test/Reference	LOR	Unit		
BTEX				
Benzene	1	%	91	-
Ethylbenzene	1	%	100	-
m&p-Xylenes	1	%	110	-
o-Xylene	1	%	110	-
Toluene	1	%	110	-
Xylenes - Total	1	%	110	-
4-Bromofluorobenzene (surr.)	1	%	104	-
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	99

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
JBS&G Suite 2A			
BTEX	Sydney	Oct 27, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																				
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**															
1	SP06-07E 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065186						X						X			
2	SP06-07D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065187						X						X			
3	SP06-07B 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065188						X						X			
4	SP06-07C 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065189						X						X			
5	TP091B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065190				X		X	X					X	X		
6	TP091E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065191				X		X	X					X	X		
7	TP091C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065192				X		X	X					X	X		
8	TP091D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065193				X		X	X					X	X		
9	TP091A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065194				X		X	X					X	X		
10	TP134C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065195						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	TP134D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065196						X						X			
12	TP134A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065197						X						X			
13	TP134B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065198						X						X			
14	TP124C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065199						X						X			
15	TP124D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065200						X						X			
16	TP124B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065201						X						X			
17	TP124A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065202						X						X			
18	TP125D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065203		X				X						X			
19	TP125C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065204		X				X						X			
20	TP125A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065205		X				X						X			
21	TP125B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065206		X				X						X			
22	TP114C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065207						X						X			
23	TP114D 0-0.1	Oct 25, 2023		Soil	S23-Oc0065208						X						X			
24	TP114A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065209						X						X			
25	TP114B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065210						X						X			
26	SP06 TRAY	Oct 25, 2023		Building	S23-Oc0065211	X														

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	SP06 TRAY	Oct 25, 2023		Building Materials	S23-Oc0065211															
27	TRIP SPIKE	Oct 25, 2023		Water	S23-Oc0065212															X
28	TRIP BLANK	Oct 25, 2023		Water	S23-Oc0065213											X				
29	PP01_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065214								X	X	X		X	X		
30	PP01_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065215								X	X	X		X	X		
31	PP02_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065216								X	X	X		X	X		
32	PP02_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065217								X	X	X		X	X		
33	PP03_A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065218								X	X	X		X	X		
34	PP03_B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065219								X	X	X		X	X		
35	SP07_01	Oct 24, 2023		Soil	S23-Oc0065220												X		X	
36	SP07_02	Oct 24, 2023		Soil	S23-Oc0065221												X		X	
37	SP07_03	Oct 24, 2023		Soil	S23-Oc0065222												X		X	
38	TP178A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065223						X						X			
39	TP178B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065224						X						X			
40	TP178C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065225						X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	TP178D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065226						X						X			
42	TP183A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065227						X						X			
43	TP183B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065228						X						X			
44	TP183C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065229						X						X			
45	TP183D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065230						X						X			
46	TP197A 0-0.1	Oct 24, 2023		Soil	S23-Oc0065231						X						X			
47	TP197B 0-0.1	Oct 24, 2023		Soil	S23-Oc0065232						X						X			
48	TP197C 0-0.1	Oct 24, 2023		Soil	S23-Oc0065233						X						X			
49	TP197D 0-0.1	Oct 24, 2023		Soil	S23-Oc0065234						X						X			
50	QA02	Oct 24, 2023		Soil	S23-Oc0065235								X	X	X		X	X		
51	QA01	Oct 24, 2023		Soil	S23-Oc0065236						X						X			
52	SP06-07E 0-0.1	Oct 25, 2023		Soil	S23-Oc0065237					X										
53	SP06-07E 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065238					X										
54	SP06-07D 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065239					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
55	SP06-07B 0-0.1	Oct 25, 2023		Soil	S23-Oc0065240					X										
56	SP06-07B 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065241					X										
57	SP06-07C 0-0.1	Oct 25, 2023		Soil	S23-Oc0065242					X										
58	SP06-07C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065243					X										
59	SP06-07C 0.7-0.8	Oct 25, 2023		Soil	S23-Oc0065244					X										
60	SP06-07A 0-0.1	Oct 25, 2023		Soil	S23-Oc0065245					X										
61	SP06-07A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065246					X										
62	SP06-07A 0.5-0.6	Oct 25, 2023		Soil	S23-Oc0065247					X										
63	TP091B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065248					X										
64	TP091E 0.2-	Oct 25, 2023		Soil	S23-Oc0065249					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.3																			
65	TP091C 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065250					X										
66	TP091D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065251					X										
67	TP091A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065252					X										
68	TP091A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065253					X										
69	TP134C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065254					X										
70	TP134D 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065255					X										
71	TP134A 0.3-0.4	Oct 25, 2023		Soil	S23-Oc0065256					X										
72	TP134B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065257					X										
73	TP124C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065258					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
74	TP124D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065259					X										
75	TP124B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065260			X												
76	TP124A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065261					X										
77	TP125D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065262					X										
78	TP125C 0.1-0.2	Oct 25, 2023		Soil	S23-Oc0065263					X										
79	TP125A 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065264					X										
80	TP125B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065265					X										
81	TP114C 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065266					X										
82	TP114D 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065267					X										
83	TP114A 0.3-	Oct 25, 2023		Soil	S23-Oc0065268					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	0.4																			
84	TP114B 0.2-0.3	Oct 25, 2023		Soil	S23-Oc0065269					X										
85	TP178A 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065270					X										
86	TP178C 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065271					X										
87	TP178C 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065272					X										
88	TP178 0.9-1.0	Oct 24, 2023		Soil	S23-Oc0065273					X										
89	TP178D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065274					X										
90	TP183A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065275					X										
91	TP183B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065276					X										
92	TP183B 0.5-0.6	Oct 24, 2023		Soil	S23-Oc0065277					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93	TP183B 1.0-1.1	Oct 24, 2023		Soil	S23-Oc0065278					X										
94	TP183B1.5-1.6	Oct 24, 2023		Soil	S23-Oc0065279					X										
95	TP183C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065280					X										
96	TP183D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065281					X										
97	TP197A 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065282					X										
98	TP197B 0.3-0.4	Oct 24, 2023		Soil	S23-Oc0065283					X										
99	TP197C 0.1-0.2	Oct 24, 2023		Soil	S23-Oc0065284					X										
100	TP197D 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065285					X										
101	TP178B 0.2-0.3	Oct 24, 2023		Soil	S23-Oc0065286					X										
102	TP197A 0.4-0.5	Oct 25, 2023		Soil	S23-Oc0065287					X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: GUNTAWONG ROAD DGA
Project ID: 62343

Order No.:
Report #: 1038740
Phone: 02 8245 0300
Fax:

Received: Oct 25, 2023 8:50 PM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Asbestos Absence /Presence	Cadmium	CANCELLED	Copper	HOLD	Lead	Zinc	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Metals M8	BTEX	Moisture Set	Total Recoverable Hydrocarbons	JBS&G Suite 2A	BTEX
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
103	183B	Oct 25, 2023		Building Materials	S23-Oc0065608					X										
104	SP06.07E	Oct 25, 2023		Soil	S23-Oc0065609					X										
105	SP06.07C-0.2	Oct 25, 2023		Building Materials	S23-Oc0065610					X										
Test Counts						1	4	1	5	53	38	5	7	7	7	1	48	12	3	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. All soil/sediment/solid results are reported on a dry weight basis unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion unless otherwise stated.
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.
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 date of sampling; 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 7 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
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit

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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30%; however the following acceptance guidelines are equally applicable: Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported, have been reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	90			70-130	Pass	
Toluene	%	109			70-130	Pass	
Ethylbenzene	%	98			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	102			70-130	Pass	
Xylenes - Total*	%	105			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S23-Oc0071104	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S23-Oc0071104	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S23-Oc0071104	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S23-Oc0071104	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S23-Oc0071104	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S23-Oc0071104	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Adam Bateup	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...sgundahunge...@jbsg.com.au; (3) .....twale.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	copper	zinc	TRH	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
SP06-07 E 0-0.1	SOIL	25/10/2023		jar + ice								
E 0.3-0.4				↓		X						
E 0.5-0.6												
D 0-0.1				jar + bag		X						
D 0.3-0.4				jar								
B 0-0.1				jar								
B 0.3-0.4				↓		X						
B 0.5-0.6												
C 0-0.1				jar + bag								
C 0.3-0.4				↓								
C 0.5-0.6						X						
C 0.7-0.8				jar								
A 0-0.1												
A 0.3-0.4												
A 0.5-0.6												
TP09 B 0-0.1						X	X	X	X			
B 0.2-0.3												
E 0-0.1						X	X	X	X			
E 0.2-0.3												

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DH DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME: Pihan	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	COOLER TEMP 14°C deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 25/10	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF: 8:50 pm	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....@jbsg.com.au; (3) .....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	copper	zinc	TRH	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP091C 0-0.1	SOIL	25/10/2023		jar + ice		X	X	X	X			
C 0.3-04				↓								
D 0-0.1				jar+bag		X	X	X	X			
D 0.2-0.3				jar								
A 0-0.1						X	X	X	X			
A 0.3-0.4												
A 0.4-0.5						X	X	X	X			
TP134 C 0-0.1												
C 0.2-0.3						X						
D 0-0.1												
D 0.1-0.2						X						
A 0-0.1												
A 0.3-0.4						X						
B 0-0.1												
B 0.2-0.3						X						
TP124 C 0-0.1												
C 0.2-0.3						X						
D 0-0.1												
D 0.2-0.3						X						

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	NAME: DATE:	COOLER TEMP ..... deg C
		OF:	

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#103 8740

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Road DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...Sgunatunge.....@jbsg.com.au; (3) .....Lwate.....@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	cadmium	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP124 B 0-0.1	SOIL	25/10/2023		jar + ice		x				
B 0.2-0.3										
A 0-0.1						x				
A 0.2-0.3										
TP125 D 0-0.1						x	x			
D 0.2-0.3										
C 0-0.1						x	x			
C 0.1-0.2										
A 0-0.1						x	x			
A 0.2-0.3										
B 0-0.1						x	x			
B 0.2-0.3										
TP114 C 0-0.1						x				
C 0.2-0.3										
D 0-0.1						x				
D 0.2-0.3										
A 0-0.1						x				
A 0.3-0.4										
B 0-0.1						x				

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)

© 2011-2019 JBS&G Australia Pty Ltd

#1038740

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sg.unatunge@jbsg.com.au; (3) lwale@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asbestos	B TEX	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP114 B 0.2-0.3	SOIL	25/10/2023		jar + ice						
SP06 frag	material	↓		bag		X				
TS/TB	water			vials + ice			X	X		

RELINQUISHED BY:
NAME: DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#1038740

page 3 of 4

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) Squnatunge@jbsg.com.au; (3) Iwale@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	TRH	PAH	OCP	7B2A lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
PP01-A 0-0.1	SOIL	24/10/23		jar + ice		x	x	x	x				
PP01-B													
PP02-A													
PP02-B													
PP03-A													
PP03-B													
SP07-01				jar + bag						x			
SP07-02													
SP07-03													
TP178 A 0-0.1				jar						x			
A 0.1-0.2													
B 0-01										x			
B 0.2-0.3													
C 0-0.1				jar + bag						x			
C 0.3-0.4													
C 0.5-0.6													
C 0.9-1.0													
D 0-0.1				jar						x			
D 0.2-0.3													

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DGE DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	
			COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) ...s.gunatunge.....@jbsg.com.au; (3) .....lwate.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP183A 0-0.1	SOIL	24/10/2023		jar+bag + ice		X			
A 0.3-0.4				jar					
B 0-0.1				jar+bag		X			
B 0.3-0.4									
B 0.5-0.6									
B 1.0-1.1									
B 1.5-1.6				jar					
C 0-0.1				jar+bag		X			
C 0.1-0.2									
D 0-0.1				jar		X			
D 0.2-0.3				jar		X			
TP197 A 0-0.1				jar+bag		X			
A 0.3-0.4				jar		X			
A 0.4-0.5									
B 0-0.1									
B 0.3-0.4									
C 0-0.1									
C 0.1-0.2									
D 0-0.1						X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 26/10/23	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
NAME: DATE:	CONSIGNMENT NOTE NO.	OF:	COOLER TEMP ..... deg C
OF:	TRANSPORT CO	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
		OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

Controlled Copy (June 2015)
© 2011-2019 JBS&G Australia Pty Ltd

#1038240

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Guntawong Rd DGA
DATE NEEDED BY: Standard TAT
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) sgunathunge@jbsg.com.au; (3) twate@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS: LW
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	TRH	BAH	OCP	lead	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP197 0 0.2-0.3	SOIL	24/10/23		jar ice		X	X	X	X	X			Please forward to Envirolab
QA02	↓	↓		↓									
QC02													
QA01													
QC01													

RELINQUISHED BY:
NAME: DATE: 26/10/23
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

#1038740

ontrolled Copy (June 2015)
2011-2019 JBS&G Australia Pty Ltd

RE: Eurofins Sample Receipt Advice - Report 1038740 : Site GUNTAWONG ROAD DGA (62343)

Lyndon Wale <lwale@jbsg.com.au>
Fri 2023-10-27 1:46 PM

To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Cc:Sahani Gunatunge <SGunatunge@jbsg.com.au>

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins. Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Thanks Elizabeth,
Please place the extra samples on hold.
Could you please check again for the missing samples, it may help to know that these samples were delivered across 4 eskies, in case only 3 were reported.

best wishes,
Lyndon

Lyndon Wale | Environmental Consultant | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0493 524 080 | E: lwale@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: #AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Sent: Friday, October 27, 2023 1:34 PM
To: Lyndon Wale <lwale@jbsg.com.au>
Cc: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Subject: Re: Eurofins Sample Receipt Advice - Report 1038740 : Site GUNTAWONG ROAD DGA (62343)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Hi Lyndon,

Attached are photos of the extra samples received.

Kind regards,

Elizabeth Brotherton

Sydney Sample Receipt

Eurofins Environment Testing Australia Pty Ltd

179 Magowar Rd
Girraween, NSW 2145

Phone: +61 2 9900 8421

E-mail: EnviroSampleNSW@eurofins.com

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	GUNTAWONG ROAD DGA
Project ID:	62343
Turnaround time:	5 Day
Date/Time received	Oct 25, 2023 8:50 PM
Eurofins reference	1038740

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 11 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Sample jar TP124B 0.2-0.3 and bag TP091D 0-0.1 were not received.
Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **1039089-S**
Project name SCHOFIELDS DGA
Project ID 62343
Received Date Oct 27, 2023

Client Sample ID			**PP01A-0.2-0.3**	**PP01B-0.2-0.3**	**PP03A-0.2-0.3**	**PP03B-0.2-0.3**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S23-Oc0068388**	**S23-Oc0068389**	**S23-Oc0068392**	**S23-Oc0068393**
Date Sampled			**Oct 26, 2023**	**Oct 26, 2023**	**Oct 26, 2023**	**Oct 26, 2023**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			PP01A-0.2-0.3	PP01B-0.2-0.3	PP03A-0.2-0.3	PP03B-0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068388	S23-Oc0068389	S23-Oc0068392	S23-Oc0068393
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
2-Fluorobiphenyl (surr.)	1	%	100	109	95	105
p-Terphenyl-d14 (surr.)	1	%	99	117	113	109
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	109	102	99
Tetrachloro-m-xylene (surr.)	1	%	109	112	111	107
Heavy Metals						
Arsenic	2	mg/kg	8.6	12	11	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	25	17	26
Copper	5	mg/kg	9.1	8.7	17	13
Lead	5	mg/kg	21	19	18	33
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.0	5.5	5.5	8.7
Zinc	5	mg/kg	32	19	34	29
Sample Properties						
% Moisture	1	%	6.4	6.2	15	8.9

Client Sample ID			TP071C-0.0-0.1	TP071D-0.0-0.1	TP071B-0.0-0.1	TP071E-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068394	S23-Oc0068395	S23-Oc0068396	S23-Oc0068397
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	63	74	71	90
Sample Properties						
% Moisture	1	%	15	17	30	27

Client Sample ID			TP071A-0.0-0.1	TP252A-0.0-0.1	TP252D-0.0-0.1	TP252E-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068398	S23-Oc0068399	S23-Oc0068400	S23-Oc0068401
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	22	43	88	55
Sample Properties						
% Moisture	1	%	8.3	8.0	13	7.5

Client Sample ID			TP252C-0.0-0.1	TP252B-0.0-0.1	SP06-T4-0.2-0.3	SP06-T2-0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068402	S23-Oc0068403	S23-Oc0068404	S23-Oc0068405
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
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
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
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
Heavy Metals						
Lead	5	mg/kg	39	54	-	-
Sample Properties						
% Moisture	1	%	8.9	8.8	15	9.8
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			TP252C-0.0-0.1	TP252B-0.0-0.1	SP06-T4-0.2-0.3	SP06-T2-0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068402	S23-Oc0068403	S23-Oc0068404	S23-Oc0068405
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3

Client Sample ID			TP252C-0.0-0.1	TP252B-0.0-0.1	SP06-T4-0.2-0.3	SP06-T2-0.3-0.4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068402	S23-Oc0068403	S23-Oc0068404	S23-Oc0068405
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit				
Volatile Organics						
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	91	94
Toluene-d8 (surr.)	1	%	-	-	81	92

Client Sample ID			SP06-T2-1.5-1.6	SP06-T1-1.5-1.6	QA01-231026
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068406	S23-Oc0068407	S23-Oc0068408
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
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	69	-
TRH C10-C36 (Total)	50	mg/kg	< 50	69	-
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	-
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	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-
Heavy Metals					
Lead	5	mg/kg	-	-	22
Sample Properties					
% Moisture	1	%	13	10.0	8.2
Volatile Organics					
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-

Client Sample ID			SP06-T2-1.5-1.6	SP06-T1-1.5-1.6	QA01-231026
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			S23-Oc0068406	S23-Oc0068407	S23-Oc0068408
Date Sampled			Oct 26, 2023	Oct 26, 2023	Oct 26, 2023
Test/Reference	LOR	Unit			
Volatile Organics					
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	91	89	-
Toluene-d8 (surr.)	1	%	92	89	-

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Oct 29, 2023	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Metals M8	Sydney	Oct 29, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Heavy Metals	Sydney	Oct 29, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Oct 29, 2023	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
% Moisture	Sydney	Oct 28, 2023	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**												
1	PP01A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068388				X	X		X		X	X		
2	PP01B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068389				X	X		X		X	X		
3	PP02A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068390	X											
4	PP02B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068391	X											
5	PP03A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068392				X	X		X		X	X		
6	PP03B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068393				X	X		X		X	X		
7	TP071C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068394			X						X			
8	TP071D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068395			X						X			
9	TP071B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068396			X						X			
10	TP071E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068397			X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
11	TP071A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068398			X						X			
12	TP252A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068399			X						X			
13	TP252D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068400			X						X			
14	TP252E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068401			X						X			
15	TP252C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068402			X						X			
16	TP252B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068403			X						X			
17	SP06-T4-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068404								X	X	X		
18	SP06-T2-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068405								X	X	X		
19	SP06-T2-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068406								X	X	X		
20	SP06-T1-1.5-	Oct 26, 2023		Soil	S23-Oc0068407								X	X	X		

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
20	SP06-T1-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068407												
21	QA01-231026	Oct 26, 2023		Soil	S23-Oc0068408			X						X			
22	TS	Oct 26, 2023		Trip Spike (liquid)	S23-Oc0068409												X
23	TB	Oct 26, 2023		Trip Blank (liquid)	S23-Oc0068410											X	
24	TP071E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068411			X			X						
25	TP252E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068412			X			X						
26	TP071C-0.0-0.2	Oct 26, 2023		Soil	S23-Oc0068413		X										
27	TP071D-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068414		X										
28	TP071B-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068415		X										
29	TP071E-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068416		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
30	TP071A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068417		X										
31	TP252A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068418		X										
32	TP252D-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068419		X										
33	TP252E-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068420		X										
34	TP252C-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068421		X										
35	TP252B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068422		X										
36	SP06-T4-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068423		X										
37	SP06-T3-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068424		X										
38	SP06-T3-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068425		X										
39	SP06-T1-0.3-	Oct 26, 2023		Soil	S23-Oc0068426		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
39	SP06-T1-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068426												
40	QC01-231026	Oct 26, 2023		Soil	S23-Oc0068427	X											
Test Counts						3	14	13	4	4	2	4	4	19	8	1	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. All soil/sediment/solid results are reported on a dry weight basis unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion unless otherwise stated.
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.
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 date of sampling; 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 7 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
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit

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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30%; however the following acceptance guidelines are equally applicable: Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported, have been reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
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	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	98			70-130	Pass	
TRH C10-C14	%	92			70-130	Pass	
TRH C6-C10	%	96			70-130	Pass	
TRH >C10-C16	%	96			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	92			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	95			70-130	Pass	
Acenaphthylene	%	97			70-130	Pass	
Anthracene	%	105			70-130	Pass	
Benz(a)anthracene	%	93			70-130	Pass	
Benzo(a)pyrene	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	%	91			70-130	Pass	
Benzo(g.h.i)perylene	%	100			70-130	Pass	
Benzo(k)fluoranthene	%	96			70-130	Pass	
Chrysene	%	100			70-130	Pass	
Dibenz(a.h)anthracene	%	97			70-130	Pass	
Fluoranthene	%	92			70-130	Pass	
Fluorene	%	100			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	97			70-130	Pass	
Naphthalene	%	94			70-130	Pass	
Phenanthrene	%	101			70-130	Pass	
Pyrene	%	92			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	84			70-130	Pass	
4.4'-DDD	%	80			70-130	Pass	
4.4'-DDE	%	89			70-130	Pass	
4.4'-DDT	%	77			70-130	Pass	
a-HCH	%	88			70-130	Pass	
Aldrin	%	87			70-130	Pass	
b-HCH	%	90			70-130	Pass	
d-HCH	%	94			70-130	Pass	
Dieldrin	%	70			70-130	Pass	
Endosulfan I	%	91			70-130	Pass	
Endosulfan II	%	102			70-130	Pass	
Endosulfan sulphate	%	78			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin	%	77			70-130	Pass	
Endrin aldehyde	%	78			70-130	Pass	
Endrin ketone	%	78			70-130	Pass	
g-HCH (Lindane)	%	92			70-130	Pass	
Heptachlor	%	91			70-130	Pass	
Heptachlor epoxide	%	81			70-130	Pass	
Hexachlorobenzene	%	90			70-130	Pass	
Methoxychlor	%	83			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	86			80-120	Pass	
Cadmium	%	92			80-120	Pass	
Chromium	%	95			80-120	Pass	
Copper	%	97			80-120	Pass	
Lead	%	99			80-120	Pass	
Mercury	%	95			80-120	Pass	
Nickel	%	95			80-120	Pass	
Zinc	%	94			80-120	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	80			70-130	Pass	
1.1.1-Trichloroethane	%	98			70-130	Pass	
1.2-Dichlorobenzene	%	113			70-130	Pass	
1.2-Dichloroethane	%	115			70-130	Pass	
Benzene	%	95			70-130	Pass	
Ethylbenzene	%	105			70-130	Pass	
m&p-Xylenes	%	103			70-130	Pass	
o-Xylene	%	103			70-130	Pass	
Toluene	%	102			70-130	Pass	
Trichloroethene	%	92			70-130	Pass	
Xylenes - Total*	%	103			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S23-Oc0068389	CP	%	100			70-130	Pass	
TRH C10-C14	S23-Oc0068389	CP	%	91			70-130	Pass	
TRH C6-C10	S23-Oc0068389	CP	%	99			70-130	Pass	
TRH >C10-C16	S23-Oc0068389	CP	%	96			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S23-Oc0068389	CP	%	75			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S23-Oc0068389	CP	%	84			75-125	Pass	
Cadmium	S23-Oc0068389	CP	%	90			75-125	Pass	
Chromium	S23-Oc0068389	CP	%	88			75-125	Pass	
Copper	S23-Oc0068389	CP	%	88			75-125	Pass	
Lead	S23-Oc0068389	CP	%	92			75-125	Pass	
Mercury	S23-Oc0068389	CP	%	98			75-125	Pass	
Nickel	S23-Oc0068389	CP	%	87			75-125	Pass	
Zinc	S23-Oc0068389	CP	%	85			75-125	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S23-Oc0068389	CP	%	101			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Ethylbenzene	S23-Oc0068389	CP	%	101			70-130	Pass	
m&p-Xylenes	S23-Oc0068389	CP	%	110			70-130	Pass	
o-Xylene	S23-Oc0068389	CP	%	102			70-130	Pass	
Toluene	S23-Oc0068389	CP	%	96			70-130	Pass	
Xylenes - Total*	S23-Oc0068389	CP	%	107			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S23-Oc0068399	CP	%	90			75-125	Pass	
Cadmium	S23-Oc0068399	CP	%	94			75-125	Pass	
Chromium	S23-Oc0068399	CP	%	90			75-125	Pass	
Copper	S23-Oc0068399	CP	%	96			75-125	Pass	
Lead	S23-Oc0068399	CP	%	82			75-125	Pass	
Mercury	S23-Oc0068399	CP	%	108			75-125	Pass	
Nickel	S23-Oc0068399	CP	%	96			75-125	Pass	
Zinc	S23-Oc0068399	CP	%	95			75-125	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S23-Oc0060785	NCP	%	109			70-130	Pass	
Ethylbenzene	S23-Oc0060785	NCP	%	113			70-130	Pass	
m&p-Xylenes	S23-Oc0060785	NCP	%	114			70-130	Pass	
o-Xylene	S23-Oc0060785	NCP	%	113			70-130	Pass	
Toluene	S23-Oc0060785	NCP	%	114			70-130	Pass	
Xylenes - Total*	S23-Oc0060785	NCP	%	114			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S23-Oc0068388	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S23-Oc0068388	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S23-Oc0068388	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S23-Oc0068388	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S23-Oc0068388	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S23-Oc0068388	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S23-Oc0068388	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S23-Oc0068388	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S23-Oc0068388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S23-Oc0068388	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0068388	CP	mg/kg	8.6	10	16	30%	Pass	
Chromium	S23-Oc0068388	CP	mg/kg	18	19	8.0	30%	Pass	
Copper	S23-Oc0068388	CP	mg/kg	9.1	9.3	2.5	30%	Pass	
Lead	S23-Oc0068388	CP	mg/kg	21	23	9.0	30%	Pass	
Mercury	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0068388	CP	mg/kg	5.0	5.0	<1	30%	Pass	
Zinc	S23-Oc0068388	CP	mg/kg	32	34	6.3	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0068388	CP	%	6.4	6.4	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Benzene	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S23-Oc0068388	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S23-Oc0068388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S23-Oc0068388	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S23-Oc0068398	CP	mg/kg	9.8	9.6	3.0	30%	Pass	
Cadmium	S23-Oc0068398	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S23-Oc0068398	CP	mg/kg	17	15	13	30%	Pass	
Copper	S23-Oc0068398	CP	mg/kg	14	15	7.0	30%	Pass	
Lead	S23-Oc0068398	CP	mg/kg	22	24	12	30%	Pass	
Mercury	S23-Oc0068398	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S23-Oc0068398	CP	mg/kg	5.5	5.6	1.9	30%	Pass	
Zinc	S23-Oc0068398	CP	mg/kg	27	25	8.4	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0068398	CP	%	8.3	8.1	2.8	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S23-Oc0068404	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S23-Oc0068404	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S23-Oc0068404	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S23-Oc0060784	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S23-Oc0060784	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S23-Oc0060784	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S23-Oc0060784	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S23-Oc0060784	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
trans-1.2-Dichloroethene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S23-Oc0060784	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S23-Oc0060784	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S23-Oc0068408	CP	%	8.2	8.2	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
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:

Adam Bateup	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **1039089-L**
Project name SCHOFIELDS DGA
Project ID 62343
Received Date Oct 27, 2023

Client Sample ID			**TP071E-0.0-0.1**	**TP252E-0.0-0.1**
Sample Matrix			**US Leachate**	**US Leachate**
Eurofins Sample No.			**S23-Oc0068411**	**S23-Oc0068412**
Date Sampled			**Oct 26, 2023**	**Oct 26, 2023**
Test/Reference	LOR	Unit		
Heavy Metals				
Lead	0.01	mg/L	0.01	< 0.01
USA Leaching Procedure				
Leachate Fluid[C01]		comment	1.0	1.0
pH (initial)	0.1	pH Units	7.7	7.1
pH (off)	0.1	pH Units	5.2	5.2
pH (USA HCl addition)	0.1	pH Units	2.2	2.2

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
Heavy Metals	Sydney	Oct 29, 2023	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
USA Leaching Procedure	Sydney	Oct 29, 2023	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**												
1	PP01A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068388				X	X		X		X	X		
2	PP01B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068389				X	X		X		X	X		
3	PP02A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068390	X											
4	PP02B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068391	X											
5	PP03A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068392				X	X		X		X	X		
6	PP03B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068393				X	X		X		X	X		
7	TP071C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068394			X						X			
8	TP071D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068395			X						X			
9	TP071B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068396			X						X			
10	TP071E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068397			X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
11	TP071A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068398			X						X			
12	TP252A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068399			X						X			
13	TP252D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068400			X						X			
14	TP252E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068401			X						X			
15	TP252C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068402			X						X			
16	TP252B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068403			X						X			
17	SP06-T4-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068404								X	X	X		
18	SP06-T2-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068405								X	X	X		
19	SP06-T2-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068406								X	X	X		
20	SP06-T1-1.5-	Oct 26, 2023		Soil	S23-Oc0068407								X	X	X		

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
20	SP06-T1-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068407												
21	QA01-231026	Oct 26, 2023		Soil	S23-Oc0068408			X						X			
22	TS	Oct 26, 2023		Trip Spike (liquid)	S23-Oc0068409												X
23	TB	Oct 26, 2023		Trip Blank (liquid)	S23-Oc0068410											X	
24	TP071E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068411			X			X						
25	TP252E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068412			X			X						
26	TP071C-0.0-0.2	Oct 26, 2023		Soil	S23-Oc0068413		X										
27	TP071D-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068414		X										
28	TP071B-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068415		X										
29	TP071E-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068416		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
30	TP071A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068417		X										
31	TP252A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068418		X										
32	TP252D-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068419		X										
33	TP252E-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068420		X										
34	TP252C-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068421		X										
35	TP252B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068422		X										
36	SP06-T4-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068423		X										
37	SP06-T3-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068424		X										
38	SP06-T3-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068425		X										
39	SP06-T1-0.3-	Oct 26, 2023		Soil	S23-Oc0068426		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
39	SP06-T1-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068426												
40	QC01-231026	Oct 26, 2023		Soil	S23-Oc0068427	X											
Test Counts						3	14	13	4	4	2	4	4	19	8	1	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. All soil/sediment/solid results are reported on a dry weight basis unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion unless otherwise stated.
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.
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 date of sampling; 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 7 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
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit

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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30%; however the following acceptance guidelines are equally applicable: Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported, have been reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Lead			mg/L	< 0.01			0.01	Pass	
LCS - % Recovery									
Heavy Metals									
Lead			%	99			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	S23-Oc0061108	NCP	%	112			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			
Lead	S23-Oc0062976	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other

Authorised by:

Adam Bateup	Analytical Services Manager
Mickael Ros	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.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

JBS & G Australia (NSW) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Sahani Gunatunge**

Report **1039089-W**
Project name SCHOFIELDS DGA
Project ID 62343
Received Date Oct 27, 2023

Client Sample ID			**TS**	**TB**
Sample Matrix			**Trip Spike (liquid)**	**Trip Blank (liquid)**
Eurofins Sample No.			**S23-Oc0068409**	**S23-Oc0068410**
Date Sampled			**Oct 26, 2023**	**Oct 26, 2023**
Test/Reference	LOR	Unit		
TRH C6-C10	1	%	92	-
Naphthalene[N02]	0.01	mg/L	-	< 0.01
Total Recoverable Hydrocarbons				
Naphthalene	1	%	79	-
TRH C6-C9	1	%	91	-
BTEX				
Benzene	1	%	93	-
Ethylbenzene	1	%	110	-
m&p-Xylenes	1	%	110	-
o-Xylene	1	%	110	-
Toluene	1	%	100	-
Xylenes - Total	1	%	110	-
4-Bromofluorobenzene (surr.)	1	%	109	-
Total Recoverable Hydrocarbons				
TRH C6-C9	0.02	mg/L	-	< 0.02
TRH C6-C10	0.02	mg/L	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	-	< 0.02
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	102

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Nov 01, 2023	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Nov 01, 2023	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Nov 01, 2023	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**												
1	PP01A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068388				X	X		X		X	X		
2	PP01B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068389				X	X		X		X	X		
3	PP02A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068390	X											
4	PP02B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068391	X											
5	PP03A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068392				X	X		X		X	X		
6	PP03B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068393				X	X		X		X	X		
7	TP071C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068394			X						X			
8	TP071D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068395			X						X			
9	TP071B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068396			X						X			
10	TP071E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068397			X						X			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
11	TP071A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068398			X						X			
12	TP252A-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068399			X						X			
13	TP252D-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068400			X						X			
14	TP252E-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068401			X						X			
15	TP252C-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068402			X						X			
16	TP252B-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068403			X						X			
17	SP06-T4-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068404								X	X	X		
18	SP06-T2-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068405								X	X	X		
19	SP06-T2-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068406								X	X	X		
20	SP06-T1-1.5-	Oct 26, 2023		Soil	S23-Oc0068407								X	X	X		

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
20	SP06-T1-1.5-1.6	Oct 26, 2023		Soil	S23-Oc0068407												
21	QA01-231026	Oct 26, 2023		Soil	S23-Oc0068408			X						X			
22	TS	Oct 26, 2023		Trip Spike (liquid)	S23-Oc0068409												X
23	TB	Oct 26, 2023		Trip Blank (liquid)	S23-Oc0068410											X	
24	TP071E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068411			X			X						
25	TP252E-0.0-0.1	Oct 26, 2023		US Leachate	S23-Oc0068412			X			X						
26	TP071C-0.0-0.2	Oct 26, 2023		Soil	S23-Oc0068413		X										
27	TP071D-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068414		X										
28	TP071B-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068415		X										
29	TP071E-0.1-0.2	Oct 26, 2023		Soil	S23-Oc0068416		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
30	TP071A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068417		X										
31	TP252A-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068418		X										
32	TP252D-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068419		X										
33	TP252E-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068420		X										
34	TP252C-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068421		X										
35	TP252B-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068422		X										
36	SP06-T4-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068423		X										
37	SP06-T3-0.0-0.1	Oct 26, 2023		Soil	S23-Oc0068424		X										
38	SP06-T3-0.2-0.3	Oct 26, 2023		Soil	S23-Oc0068425		X										
39	SP06-T1-0.3-	Oct 26, 2023		Soil	S23-Oc0068426		X										

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: SCHOFIELDS DGA
Project ID: 62343

Order No.:
Report #: 1039089
Phone: 02 8245 0300
Fax:

Received: Oct 27, 2023 9:20 AM
Due: Nov 2, 2023
Priority: 5 Day
Contact Name: Sahani Gunatunge

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	HOLD	Lead	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	USA Leaching Procedure	Metals M8	Volatile Organics	Moisture Set	Total Recoverable Hydrocarbons	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	X	X	X
39	SP06-T1-0.3-0.4	Oct 26, 2023		Soil	S23-Oc0068426												
40	QC01-231026	Oct 26, 2023		Soil	S23-Oc0068427	X											
Test Counts						3	14	13	4	4	2	4	4	19	8	1	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. All soil/sediment/solid results are reported on a dry weight basis unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion unless otherwise stated.
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.
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 date of sampling; 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 7 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
µg/L: micrograms per litre
ppm: parts per million
ppb: parts per billion
%: Percentage
org/100 mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit

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 like compound to the analyte target and reported as percentage recovery.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 5.4
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30%; however the following acceptance guidelines are equally applicable: Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR: RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%

PFAS field samples that contain surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported, have been reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as 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							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
LCS - % Recovery							
Naphthalene	%	98			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	111			70-130	Pass	
TRH C6-C10	%	109			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	98			70-130	Pass	
Toluene	%	109			70-130	Pass	
Ethylbenzene	%	103			70-130	Pass	
m&p-Xylenes	%	110			70-130	Pass	
o-Xylene	%	104			70-130	Pass	
Xylenes - Total*	%	108			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	N23-Oc0066012	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	N23-Oc0066012	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	N23-Oc0066012	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	N23-Oc0066012	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	N23-Oc0066012	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	N23-Oc0066012	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	N23-Oc0066012	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	N23-Oc0066012	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	N23-Oc0066012	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
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.

Authorised by:

Adam Bateup	Analytical Services Manager
Roopesh Rangarajan	Senior Analyst-Volatile

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Schofields DGA
DATE NEEDED BY: STD
LABORATORY BATCH NO.:
SAMPLERS: Lyndon Wade
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) S.Cunningham@jbsg.com.au; (3) LWade@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	lead	lead TCLP	TRH	VOC BTEX	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
TP252D_0.2-0.3	Soil	26/10		J								
TP252E_0.0-0.1						X	X					
_0.2-0.3												
TP252C_0.0-0.1						X						
_0.3-0.4												
TP252B_0.0-0.1						X						
_0.2-0.3												
SP06_T4_0.0-0.1												
_0.2-0.3								X	X			
SP06_T3_0.0-0.1												
_0.2-0.3												
SP06_T2_0.3-0.4								X	X			
_1.5-1.6								X	X			
SP06_T1_0.3-0.4												
_1.5-1.6								X	X			
QA01-20231026						X						
QC01-20231026						please forward to Envirolab.						
B1 TSTB	Water			Vials					X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Lyndon DATE: 26	CONSIGNMENT NOTE NO.	NAME: Prerushan DATE: 27/10/23 9.00	COOLER SEAL – Yes..... No ..... Intact ....., Broken .....
OF: JBS&G	TRANSPORT CO.	OF: Envirolab	COOLER TEMP 15.8 deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ....., Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

1039089

Chain of Custody

JBS&G

PROJECT NO.: 62343
PROJECT NAME: Schofields DG4
DATE NEEDED BY: STD TAT
LABORATORY BATCH NO.:
SAMPLERS: Lyndon Wade
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) .....S.Cavanagh.....@jbsg.com.au; (3) .....L.Wade.....@jbsg.com.au
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy metals	TRH	PAH	OCP	lead	lead TCLP	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
PP01A_0.2-0.3	Soil	26/10		J		X	X	X	X					
PP01B_0.2-0.3														
PP02A_0.2-0.3														
PP02B_0.2-0.3														
PP03A_0.2-0.3														
PP03B_0.2-0.3														
TP07IC_0.0-0.1										X				
_0.1-0.2														
TP07ID_0.0-0.1										X				
_0.3-0.4														
TP07IB_0.0-0.1										X				
_0.1-0.2														
TP07IE_0.0-0.1										X	X			
_0.1-0.2														
TP07IA_0.0-0.1										X				
_0.2-0.3														
TP252A_0.0-0.1										X				
_0.2-0.3														
TP252D_0.0-0.1										X				

RELINQUISHED BY:
NAME: Lyndon DATE: 26/10
OF: JBS&G
NAME: DATE:
OF:

METHOD OF SHIPMENT:
CONSIGNMENT NOTE NO.
TRANSPORT CO.
CONSIGNMENT NOTE NO.
TRANSPORT CO

RECEIVED BY:
NAME:
DATE:
OF:
NAME: DATE:
OF:

FOR RECEIVING LAB USE ONLY:
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C
COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

© 2011-2019 JBS&G Australia Pty Ltd

FW: Eurofins Sample Receipt Advice - Report 1039089 : Site SCHFILEDS DGA (62343)

Lyndon Wale <lwale@jbsg.com.au>
Wed 2023-11-01 10:04 AM

To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Cc:Sahani Gunatunge <SGunatunge@jbsg.com.au>

3 attachments (546 KB)
1039089_COC.pdf; 1039089_sample_receipt_coc.pdf; 1039089_summary.pdf;

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins. Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hey Larissa / whoever is staffing the desk atm

Could you please confirm that there are no missing samples from the PP set? E.g. PP01 – PP03.
If we simply have two pairs of samples for PP01A/B_0.2-0.3 then that won't be a problem. Just sample either.

TS/TB is a trip spike / trip blank of BTEXN, it should have arrived as four vials in bubble wrap, the vials were not labelled.

QC01_231027 is not on the COC, looks like you've got a typo there. Please let us know which sample is missing.

Warm regards,
Lyndon

Lyndon Wale | Environmental Consultant | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0493 524 080 | E: lwale@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Sent: Wednesday, November 1, 2023 9:49 AM
To: Lyndon Wale <lwale@jbsg.com.au>
Subject: FW: Eurofins Sample Receipt Advice - Report 1039089 : Site SCHFILEDS DGA (62343)

Kind Regards,

Sahani Gunatunge | Senior Environmental Consultant | JBS&G
Gadigal Country | Level 1, 50 Margaret Street, Sydney, NSW
T: 02 8245 0300 | M: 0410 240 607 | E: sgunatunge@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: EnviroSampleNSW@eurofins.com <EnviroSampleNSW@eurofins.com>
Sent: Saturday, October 28, 2023 12:20 PM
To: Sahani Gunatunge <SGunatunge@jbsg.com.au>
Cc: Lyndon Wale <lwale@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 1039089 : Site SCHFILEDS DGA (62343)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Dear Valued Client,
We received extra sample "PP01A-0.2-0.3 & PP01B-0.2-0.3" and we do not received sample "TS/TB & QC01-231027"-

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West NSW 2304
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	Tel: +61 2 4968 8448
Tel: +61 3 8564 5000	Tel: +61 3 8564 5000	Tel: +61 2 9900 8400	Tel: +61 2 6113 8091	Tel: +61 7 3902 4600	NATA# 1261
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	Site# 25079 & 25289
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
Tel: +61 8 6253 4444
NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Christchurch	Tauranga
35 O'Rorke Road	43 Detroit Drive	1277 Cameron Road,
Penrose,	Rolleston,	Gate Pa,
Auckland 1061	Christchurch 7675	Tauranga 3112
Tel: +64 9 526 4551	Tel: +64 3 343 5201	Tel: +64 9 525 0568
IANZ# 1327	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Sahani Gunatunge
Project name:	SCHOFIELDS DGA
Project ID:	62343
Turnaround time:	5 Day
Date/Time received	Oct 27, 2023 9:20 AM
Eurofins reference	1039089

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 15.8 degrees Celsius.
✓	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.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Samples PP02A-0.2-0.3, PP02B-0.2-0.3 and QC01_231026 not received. Analysis cancelled.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: AndrewBlack@eurofins.com

Results will be delivered electronically via email to Sahani Gunatunge - sgunatunge@jbsg.com.au.

Global Leader - Results you can trust

Appendix L Quality Assurance/Quality Control

L1 QA/QC Assessment for DSI

L1.1 QA/QC Results

The QA/QC results for soil, surface water and groundwater samples collected at the site have been assessed as whole for the larger parcel of land included the site are summarised in **Table L1** and discussed in **Section L1.2**. Detailed QA/QC results are included in the laboratory reports in **Appendix K**, and in the ESdat output included at the end of **Appendix L.**

Table L1 - QA/QC Results Summary

Data Quality Indicator	Results	DQI met?
Precision		
Soil blind duplicates (intra laboratory)	0 – 172% RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Soil blind triplicates (inter laboratory)	0 – 146 % RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Groundwater blind duplicates (intra laboratory)	0 – 67% RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Groundwater split duplicates (inter laboratory)	0 % RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Yes
Surface water blind duplicates (intra laboratory)	0 – 67 % RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Surface water split duplicates (inter laboratory)	0 – 67% RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Laboratory duplicates	0 – 92 % RPD Intra laboratory samples were analysed at a rate of 1 in 20 samples.	Partial[1]
Accuracy		
Surrogate spikes	4.5-154% recovery Surrogate spikes were completed for all organic samples	Partial[1]
Laboratory Control Samples	32-134% recovery Laboratory control samples were completed for all organic and metal analytes	Partial[1]
Matrix spikes	41-135% recovery	Partial[1]

©JBS&G Australia Pty Ltd

Data Quality Indicator	Results	DQI met?
	Matrix spikes were completed for all organic and metals samples	
Representativeness		
Sampling appropriate for media and analytes	All sampling conducted in accordance with JBS&G procedures	Yes
Laboratory blanks	<LOR	Yes
Samples extracted and analysed within holding times.	Samples were extracted and analysed within holding times	Yes
Trip spikes	70 – 130 %	Yes
Trip blanks	<LOR	Yes
Rinsate blank	<LOR	Yes
Comparability		
Standard operating procedures used for sample collection & handling	Field staff used same standard operating procedures throughout works	Yes
Standard analytical methods used	Standard analytical methods used.	Yes
Consistent field conditions, sampling staff and laboratory analysis	Sampling was conducted by a team of two staff members using standard operating procedures in the same conditions throughout the works. The laboratories utilised were consistent throughout the investigation.	Yes
Limits of reporting appropriate and consistent	Limits of reporting were consistent and appropriate.	Yes
Completeness		
Soil description & Chains of Command (COCs) completed	All logs and COCs were completed appropriately.	Yes
Appropriate documentation	All appropriate field documentation is included in the appendices.	Yes
Satisfactory frequency/result for QC samples	The QC results are considered adequate for the purposes of the investigation.	Yes
Data from critical samples is considered valid	Data from critical samples is considered valid.	Yes

[1] See discussion of DQI exceedances in **Section L1.2**.

L1.2 QA/QC Discussion

L1.2.1 Precision

Soil Duplicates

The RPDs between primary and intra-laboratory duplicate analytical results were within the acceptable limits of deviation from the DQO with the exception of the following:

- TRH C10-C14 Fraction (71%) between TP254_0-0.1 and QC2-20221018;
- Nickel (53%) between TP015_0_0.1 and QC20221021_2;

©JBS&G Australia Pty Ltd

- Lead (83%) and zinc (92%) between TP060_0-0.1 and 20220914_QC01ST;
- Lead (51%) between TP125_0-0.1 and 20220914_QC02ST;
- Copper (59%) and nickel (90%) between TP225_0.0-0.1 and 20220915_QC01LW;
- Arsenic (59%) and cadmium (67%) TP088_0.0-0.1 and 20220915_QC01ST;
- Arsenic (54%) and chromium (total) (61%) between TP207_0-0.1 and 20220916_QC01LW; and
- Arsenic (172%), chromium (total) (156%), copper (67%), lead (133%) and zinc (95%) between TP039_0-0.1 and 20220916_QC01ST.

The RPDs between primary and inter-laboratory duplicate analytical results were within the acceptable limits of deviation from the DQO with the exception of the following:

- Arsenic (73%), chromium (total) (52%) and zinc (67%) between TP049_1.5-1.6 and 20220913-QA07;
- Fluoranthene (143%) between TP214_0.0-0.1 and 20220913-QA01LW;
- Coper (67%) between TP207_0-0.1 and 20220916_QA01LW;
- Arsenic (127%), chromium (total) (127%) and copper (67%) between TP039_0-0.1 and 20220916_QC01ST;
- Cadmium (111%), copper (89%), nickel (59%) and zinc (96%) between TP125_0-0.1 and 20220914__QA02ST;
- Cadmium (77%), copper (146%), nickel (68%) and zinc (68%) between TP088_0.0-0.1 and 20220915__QA02ST;
- Arsenic (82%), chromium (110%), lead (82%) between TP225_0.0-0.1 and 20220915__QA02LW;
- TPH C10-C36 Fraction (Sum of Total) (111%) and TRH C10-C40 (Sum of total) (75%) between TP254_0-0.1 and QA2-20221018;
- Copper (60%) and zinc (51%) between TP017_0_0.1 and QA20221021-1; and
- Arsenic (67%), copper (52%), nickel (67%) and zinc (55%) TP015_0_0.1 and QA20221021-2.

The RPDs for the intra-laboratory and inter-laboratory duplicates are presented in **Appendix L** and are considered to be the result of heterogeneity in the soil samples collected. The elevated RPD results are not considered to influence the outcome of the investigation. As a conservative measure, the higher duplicate result was considered during data assessment.

Groundwater Duplicates

The RPDs between primary groundwater sample (GW04) and intra-laboratory duplicate (QC-20221019) analytical results were within the acceptable limits of deviation from the DQO with the exception of copper (67%), nickel (67%).

The RPDs between primary groundwater sample (GW04) and inter-laboratory duplicate (QA-20221019) analytical results were within the acceptable limits of deviation from the DQO .

The RPDs for the intra-laboratory and inter-laboratory duplicates are presented in **Appendix L** and are considered to be the result of generally low total analyte concentrations, being within one order of magnitude of the laboratory LOR. The elevated RPD results are not considered to influence the outcome of the investigation. As a conservative measure, the higher duplicate result was considered during data assessment.

Surface Water Duplicates

The RPDs between primary surface water sample (SW06) and intra-laboratory duplicate (QCW01) analytical results were within the acceptable limits of deviation from the DQO with the exception of copper (67%).

©JBS&G Australia Pty Ltd

The RPDs between primary surface water sample (SW06) and inter-laboratory duplicate (QAW01) analytical results were within the acceptable limits of deviation from the DQO with the exception of copper (67%).

The RPDs for the intra-laboratory and inter-laboratory duplicates are presented in **Appendix L** and are considered to be the result of generally low total analyte concentrations, being within one order of magnitude of the laboratory LOR. The elevated RPD results are not considered to influence the outcome of the investigation. As a conservative measure, the higher duplicate result was considered during data assessment.

Laboratory Duplicates

Laboratory duplicate soil samples were analysed by the testing laboratory at a rate greater than 1 per 20 primary soil samples. The results of analysis for the laboratory duplicate soil sample were generally within the acceptance criteria of 0 – 50%, with some exceptions as listed in **Appendix L**. However, the laboratory reported stated that these elevated RPDs were within the NATA accredited laboratory acceptance criteria.

On this basis the DQIs for precision are considered to have been achieved for this investigation.

L1.2.2 Accuracy

Surrogate spikes

Soil and groundwater surrogate spikes were conducted on all samples submitted for organic constituent analysis and generally most recoveries were reported within the JBS&G acceptable range (70-130 %). A small number of surrogate recoveries in each media for BTEX, PAH, OCP, OPP, VOC, PCB, acid herbicides were reported outside the JBS&G acceptable range but within the laboratory's acceptable range under NATA accreditation.

The laboratory reported that surrogate recoveries for Acid herbicide surrogate Warfarin in samples TP162_0_0.1 and TP267_0_0.1 were outside of the recommended acceptance criteria due to matrix interference, however. acceptance criteria were met for all other QC. However, no primary analyte compounds were detected within one order of magnitude of the criteria, and therefore the surrogate recovery is not within critical range required to affect decision outcomes.

The laboratory reported that chromatographic interference did not allow the determination of recovery of the following:

- Acid herbicide surrogate Warfarin in soil samples TP237_0_0.1, TP014_0_0.1, TP028_0_0.1.
- OCP surrogate dibutylchlorendate in soil samples TP065_0.0-0.1, TP091_0.3-0.4, TP184_0-0.1, TP133_0.0-0.1 TP133_0.4-0.5, SP06-03, SP06-04, SP05_02 and 20220916_QC01ST.
- OCP surrogate triphenylphosphate in soil samples TP149_0.0-0.1, TP159_0.0-0.1, SP06-03 and SP06-04.
- OCP surrogate Tetrachloro-m-xylene in soil samples TP133_0.4-0.5 and SP06-04.
- PAH surrogate 2-Fluorobiphenyl in water samples GW01-GW05, rinsate, QC-20221019.
- PAH surrogate 2-Fluorobiphenyl in soil samples TP198_0-0.1 TP133_0.4-0.5, SP06-03 and SP06-04.
- Phenol surrogate Phenol-d6 in soil sample SP05_02.

It is noted that acid herbicide, OCP, PAH and phenol concentrations in all samples selected for analysis were reported below the laboratory LOR or at low concentrations close to the laboratory LOR.

Laboratory control samples

Laboratory control sample (LCS) recoveries were generally reported within JBS&G acceptable range (70-130 %). A small number of LCS recoveries in each media were reported outside the JBS&G acceptable range but within the laboratory's acceptable range under NATA accreditation.

Matrix spikes

©JBS&G Australia Pty Ltd

Matrix spike recoveries were reported within JBS&G acceptable range (70-130 %) with the exception of Phenanthrene (41%) in sample NCP_Oc0042958, b-HCH (64%) in sample NCP_Se0032247, g-HCH (Lindane) (135%) in sample S22-Se0027727, Endosulfan sulphate (69%) in sample S22-Se0040911 and b-HCH (66%) in sample S22-Se0040911.However, the laboratory reported that an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

L1.2.3 Representativeness

The extraction and analysis of critical soil samples was completed within the recommended holding times for all analytes.

All field equipment was decontaminated and calibrated appropriately as per the procedure identified in **Section 5.5**. Records of field calibration and decontamination are provided in **Appendix M**.

One rinsate blank was prepared and submitted where non-disposable sampling equipment (i.e. hand auger) was used. There were no reported concentrations of COPCs above the laboratory Limit of Reporting (LOR) with the following exceptions:

- Rinsate collected during surface water sampling event on 20 September 2022 (lab report 925644) reported TRH C15-C28 (0.2 mg/L), TRH >C16-C34 (0.3 mg/L), nitrate (as N) (1.2 mg/L) and Total Kjeldahl Nitrogen (as N) (0.8 mg/L) above the laboratory LOR.
- Rinsate collected during soil sampling event on 20 October 2022 (lab report 934545) reported endrin aldehyde 0.0003 (mg/L) and chromium (0.002 mg/L) above the laboratory LOR.

Given that the reported contaminant concentrations in the soil and water samples are below the assessment criteria, this nonconformity is considered not to affect the overall reliability of the data set.

A trip spike was generally submitted with each sampling event during the soil and groundwater investigation. Trip spike recoveries was within the acceptable limits of 70-130%, indicating suitable preservation methods were achieved during sampling and transport of the samples.

A trip blank was generally submitted with each sampling event during the soil and groundwater investigation. There were no reported concentrations of BTEX compounds above the laboratory Limit of Reporting (LOR).

There were no reported analytes above the laboratory LOR in the laboratory method blank.

All field equipment was decontaminated where required and calibrated appropriately as per the standard procedures**.** A record of field decontamination/calibration records are included as **Appendix M.**

L1.2.4 Comparability

Primary samples were submitted to Eurofins Environment Testing, and QA/QC triplicate samples were submitted to Envirolab Services. Both laboratories are NATA accredited for all analytical methods used. Laboratory analysis methods for all contaminants adopted during the investigation used limits of reporting less than the site assessment criteria to ensure that contaminant concentrations could be confidently identified as being less than the adopted site assessment criteria.

Experienced JBS&G personnel undertook all sampling in accordance with standard JBS&G sampling methods.

Field staff were consistent during the soil and groundwater investigation.

L1.2.5 Completeness

All laboratory and field documentation is complete and correct. Chain of custody documentation is provided with laboratory reports in **Appendix K**.

The frequency of analysis of all QC samples was considered appropriate and valid.

©JBS&G Australia Pty Ltd

L1.2.6 Sensitivity

Laboratory analysis methods for all contaminants adopted during the investigation generally used limits of reporting significantly less than the site assessment criteria to ensure the contaminant concentrations could be confidently identified as being less than the adopted site assessment criteria.

The laboratory LORs for PAH compounds, anthracene, benzo(a)pyrene and phenanthrene and VOC compounds, 1,4-dichlorobenzene, Bromomethane, vinyl chloride, dichloromethane in groundwater and surface water were equivalent or higher than the site assessment criteria. However, given the absence of significant PAH and VOC contamination in soil across the site, the LORs are not considered to alter the outcome of the assessment.

L2 QA/QC Assessment for DGA

The QA/QC result for soil and groundwater samples collected at the site during the current assessment are summarised in **Table L2** and discussed in **Section L2.1**. Detailed QA/QC results are included in the laboratory reports in **Appendix K**, and in the ESdat output included at the end of **Appendix L.**

Table L2 - QA/QC Results Summary

Data Quality Indicator	Results	DQI met?
Precision		
Soil blind duplicates (intra laboratory)	0 – 101% RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Soil blind triplicates (inter laboratory)	0 – 82 % RPD Intra laboratory samples were analysed at a rate greater than 1 in 20 samples.	Partial[1]
Groundwater blind duplicates (intra laboratory)	No samples collected	Partial[1]
Groundwater split duplicates (inter laboratory)	No samples collected	Partial[1]
Laboratory duplicates	0 – 75 % RPD Intra laboratory samples were analysed at a rate of 1 in 20 samples.	Partial[1]
Accuracy		
Surrogate spikes	53 -147% recovery Surrogate spikes were completed for all organic samples	Partial[1]
Laboratory Control Samples	70-129% recovery Laboratory control samples were completed for all organic and metal analytes	Yes
Matrix spikes	76-127% recovery Matrix spikes were completed for all organic and metals samples	Yes
Representativeness		
Sampling appropriate for media and analytes	All sampling conducted in accordance with JBS&G procedures	Yes
Laboratory blanks	<LOR	Yes
Samples extracted and analysed within holding times.	Samples were extracted and analysed within holding times	Yes
Trip spikes	70 – 130 %	Yes
Trip blanks	<LOR	Yes
Rinsate blank	-No samples collected	Partial[1]
Comparability		

©JBS&G Australia Pty Ltd

Standard operating procedures used for sample collection & handling	Field staff used same standard operating procedures throughout works	Yes
Standard analytical methods used	Standard analytical methods used.	Yes
Consistent field conditions, sampling staff and laboratory analysis	Sampling was conducted by a team of two staff members using standard operating procedures in the same conditions throughout the works. The laboratories utilised were consistent throughout the investigation.	Yes
Limits of reporting appropriate and consistent	Limits of reporting were consistent and appropriate.	Yes
Completeness		
Soil description & Chains of Command (COCs) completed	All logs and COCs were completed appropriately.	Yes
Appropriate documentation	All appropriate field documentation is included in the appendices.	Yes
Satisfactory frequency/result for QC samples	The QC results are considered adequate for the purposes of the investigation.	Yes
Data from critical samples is considered valid	Data from critical samples is considered valid.	Yes

[1] See discussion of DQI exceedances in **Section 2.1**.

L2.1 QA/QC Discussion

L2.1.1 Precision

Soil Duplicates

The RPDs between primary and intra-laboratory duplicate analytical results were within the acceptable limits of deviation from the DQO with the exception of the following:

- C10-C36 Fraction (Sum of Total) (96%) between PP01A-0.2-0.3 and QA02; and
- Lead (101%) between TP197B 0-0.1 and QA01.

The RPDs between primary and inter-laboratory duplicate analytical results were within the acceptable limits of deviation from the DQO with the exception of the following:

- Benzo(a)pyrene TEQ (LOR) (82%) between PP01_A 0-0.1 and QC02.

The RPDs for the intra-laboratory and inter-laboratory duplicates are presented in **Appendix L** and are considered to be the result of heterogeneity in the soil samples collected. The elevated RPD results are not considered to influence the outcome of the investigation. As a conservative measure, the highest concentration obtained for primary and duplicate samples was considered during data assessment.

Groundwater Duplicates

Duplicate and triplicate samples for groundwater samples were not collected in this assessment given the small sample batch, however, the broader site primary and duplicate samples reported results in agreement with the primary samples. In addition, samples collected in this assessment met the NATA accredited laboratory internal quality control acceptance limits as detailed within the laboratory reports. Therefore, the groundwater data is considered to be of an acceptable quality upon which to draw conclusions regarding the contamination status of the site.

Laboratory Duplicates

Laboratory duplicate soil samples were analysed by the testing laboratory at a rate greater than 1 per 20 primary soil samples. The results of analysis for the laboratory duplicate soil sample were generally within the acceptance criteria of 0 – 50%, with some exceptions as listed in **Appendix K**. However, the laboratory reported stated that these elevated RPDs were within the NATA accredited laboratory acceptance criteria. In addition, concentrations of COPCs in laboratory duplicates with elevated RPDs were all below assessment criteria.

©JBS&G Australia Pty Ltd

On this basis the DQIs for precision are considered to have been achieved for this investigation.

L2.1.2 Accuracy

Surrogate spikes

Soil and groundwater surrogate spikes were conducted on all samples submitted for organic constituent analysis and generally most recoveries were reported within the JBS&G acceptable range (70-130 %). A small number of surrogate recoveries for PAH and OCP were reported outside the JBS&G acceptable range but within the laboratory's acceptable range under NATA accreditation.

Laboratory control samples

Laboratory control sample (LCS) recoveries were within the JBS&G acceptable range of 70-130%.

Matrix spikes

Matrix spike recoveries were within the JBS&G acceptable range of 70-130%.

L2.1.3 Representativeness

The extraction and analysis of critical soil samples was completed within the recommended holding times for all analytes.

All field equipment was decontaminated appropriately as per the procedure identified in **Section 5.5**. Records of decontamination are provided in **Appendix M**. Therefore, the sampling methodology implemented is considered unlikely to have resulted in significant cross contamination between sampling locations.

A trip spike was generally submitted with each sampling event during the soil and groundwater investigation. Trip spike recoveries were within the acceptable limits of 70-130%, indicating suitable preservation methods were achieved during sampling and transport of the samples.

A trip blank was generally submitted with each sampling event during the soil and groundwater investigation. There were no reported concentrations of BTEX compounds above the laboratory Limit of Reporting (LOR).

There were no reported analytes above the laboratory LOR in the laboratory method blank.

L2.1.4 Comparability

Primary samples were submitted to Eurofins Environment Testing, and QA/QC triplicate samples were submitted to Envirolab Services. Both laboratories are NATA accredited for all analytical methods used. Laboratory analysis methods for all contaminants adopted during the investigation used limits of reporting less than the site assessment criteria to ensure that contaminant concentrations could be confidently identified as being less than the adopted site assessment criteria.

Experienced JBS&G personnel undertook all sampling in accordance with standard JBS&G sampling methods.

Field staff were consistent during the soil and groundwater investigation.

L2.1.5 Completeness

All laboratory and field documentation is complete and correct. Chain of custody documentation is provided with laboratory reports in **Appendix K**.

The frequency of analysis of all QC samples was considered appropriate and valid.

L2.1.6 Sensitivity

Laboratory analysis methods for all contaminants adopted during the investigation generally used limits of reporting significantly less than the site assessment criteria to ensure the contaminant concentrations could be confidently identified as being less than the adopted site assessment criteria.

©JBS&G Australia Pty Ltd

The laboratory LORs for PAH compounds, anthracene, benzo(a)pyrene and phenanthrene and VOC compounds, 1,4-dichlorobenzene, bromomethane, vinyl chloride, dichloromethane in groundwater were equivalent or higher than the site assessment criteria. However, given the absence of significant PAH and VOC contamination in soil across the site, the LORs are not considered to alter the outcome of the assessment.

©JBS&G Australia Pty Ltd

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil)
Filter: ALL

			SDG	933736	933736		933736	933736		934517	934517		934517	934517		934545	934545		923050	923050		923050	923050		923582	923582		923582	923582		924697	924697		924697	924697	
			Field ID	TP254_0-0.1	QC2-20221018	RPD	TP205_0-0.1	QC01-20221018	RPD	TP017_0_0.1	QC20221021_1	RPD	TP015_0_0.1	QC20221021_2	RPD	TP229_0_0.1	QC01_20221020	RPD	TP052_0-0-0.1	QC03	RPD	TP066_0-0-0.1	QC05	RPD	TP004_0-0-0.1	QC09	RPD	TP214_0-0-0.1	QC01LW	RPD	TP060_0-0.1	QC01ST	RPD	TP125_0-0.1	QC02ST	RPD
			Sampled Date/Time	18/10/2022	18/10/2022		18/10/2022	18/10/2022		21/10/2022	21/10/2022		21/10/2022	21/10/2022		20/10/2022	20/10/2022		12/09/2022	12/09/2022		12/09/2022	20220912_QC05		13/09/2022	13/09/2022		13/09/2022	13/09/2022		14/09/2022	14/09/2022		14/09/2022	14/09/2022	
Chem_Grou	ChemName	Units	EQL																																
Metals & M	Arsenic	mg/kg	2 : 4 (Interlab)	5.3	4.3	21	9.7	11	13	16	20	22	12	9	29	6.3	6.3	0	**9.3**	**14**	**40**	12	13	8	18	14	25	6.9	6.5	6	**9.8**	**15**	**42**	**11**	**7.8**	**34**
	Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	0.7	0.6	15	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	26	21	21
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	12	11	9	**12**	**18**	**40**	34	42	21	23	17	30	12	11	9	**8**	**12**	**40**	16	18	12	20	19	5	15	14	7	**17**	**27**	**45**	**28**	**19**	**38**
	Copper	mg/kg	5 : 1 (Interlab)	<5	<5	4	8	8	0	13	12	8	**17**	**11**	**43**	24	24	0	**7.9**	**11**	**33**	21	17	21	16	12	29	11	11	0	29	34	16	**42**	**67**	**46**
	Lead	mg/kg	5 : 1 (Interlab)	26	22	17	**25**	**18**	**33**	31	30	3	38	35	8	44	34	26	**9.9**	**15**	**41**	16	17	6	26	21	21	19	19	0	**21**	**51**	**83**	**2200**	**1300**	**51**
	Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
	Nickel	mg/kg	5 : 1 (Interlab)	<5	<5	0	5.8	<5	15	8.5	9.6	12	**10**	**5.8**	**53**	8.3	8	4	<5	<5	0	7.3	6.2	16	7.5	7.2	4	6.4	6	6	12	12	0	22	19	15
	Zinc	mg/kg	5 : 1 (Interlab)	9.4	12	24	12	9.3	25	32	32	0	**53**	**34**	**44**	81	78	4	**16**	**24**	**40**	49	39	23	**34**	**22**	**43**	16	16	0	**48**	**130**	**92**	100	83	19
etalloids																																					
TPHs (NEPC	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0				<20	<20	0
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	**42**	**<20**	**71**	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	22	10	<20	<20	0				<20	<20	0
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	61	53	14	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	72	70	3	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0
	C10-C36 Fraction (Sum of Total)	mg/kg	50	**175**	**123**	**35**	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0
1999)																																					
TRHs (NEPC	C6-C10	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0				<20	<20	0
	C10-C16	mg/kg	50	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0
	C16-C34	mg/kg	100	110	100	10	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0				<100	<100	0
	C34-C40	mg/kg	100	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0				<100	<100	0
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	110	100	10	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0				<100	<100	0
	F1 (C6-C10 minus BTEX)	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0	<20	<20	0				<20	<20	0
	F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0
2013)																																					
BTEXN	Benzene	mg/kg	0.1 : 0.2 (Interlab)	<0.1	<0.1	0	<0.1									<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0
	Toluene	mg/kg	0.1 : 0.5 (Interlab)	<0.1	<0.1	0	<0.1									<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0
	Ethylbenzene	mg/kg	0.1 : 1 (Interlab)	<0.1	<0.1	0	<0.1									<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0
	Xylene (o)	mg/kg	0.1 : 1 (Interlab)	<0.1	<0.1	0	<0.1									<0.1	<0.1	0				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0
	Xylene (m & p)	mg/kg	0.2 : 2 (Interlab)	<0.2	<0.2	0	<0.2									<0.2	<0.2	0				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0				<0.2	<0.2	0
	Xylene Total	mg/kg	0.3 : 1 (Interlab)	<0.3	<0.3	0	<0.3									<0.3	<0.3	0				<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.3	0				<0.3	<0.3	0
	Naphthalene_VOC	mg/kg	0.5 : 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0				1.2	1.2	0
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0				0.6	0.6	0
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	0.6	<0.5	18				<0.5	<0.5	0
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<1	<0.5	0				<0.5	<0.5	0
	PAHs (Sum of total)	mg/kg	0.5 : 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<1	<0.5	0				<0.5	<0.5	0
Organochlo	Pentachlorophenol	mg/kg	1																			<1	<1	0													
	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Chlordane	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0										<0.1	<0.1	0
	DDT	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	0.06	18				<0.05	<0.05	0										<0.05	<0.05	0
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Endrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
	Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0										<0.5	<0.5	0
ine Pesticides																																					
Organophos	Azinophos methyl	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Chlorfenvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Chlorpyrifos	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Chlorpyrifos-methyl	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Coumaphos	mg/kg	2	<2	<2	0	<2	<2	0	<2	<2	0	<2	<2	0							<2	<2	0												
	Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Diazinon	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Dichlorvos	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Dimethoate	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Disulfoton	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Ethion	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil) Filter: ALL				SDG	933736	933736		933736	933736		934517	934517		934517	934517		934545	934545		923050	923050		923050	923050		923582	923582		923582	923582		924697	924697		924697	924697	
				Field ID	TP254_0-0.1	QC2-20221018	RPD	TP205_0-0.1	QC01-20221018	RPD	TP017_0_0.1	QC20221021_1	RPD	TP015_0_0.1	QC20221021_2	RPD	TP229_0_0.1	QC01_20221020	RPD	TP052_0.0-0.1	20220912_QC03	RPD	TP066_0.0-0.1	20220912_QC05	RPD	TP004_0.0-0.1	QC09	RPD	TP214_0.0-0.1	20220913_QC01LW	RPD	TP060_0-0.1	20220914_QC01ST	RPD	TP125_0-0.1	20220914_QC02ST	RPD
				Sampled Date/Time	18/10/2022	18/10/2022		18/10/2022	18/10/2022		21/10/2022	21/10/2022		21/10/2022	21/10/2022		20/10/2022	20/10/2022		12/09/2022	12/09/2022		12/09/2022	12/09/2022		13/09/2022	13/09/2022		13/09/2022	13/09/2022		14/09/2022	14/09/2022		14/09/2022	14/09/2022	
	Ethoprop	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Fenitrothion	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Fensulfothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Fenthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Malathion	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Monocrotophos	mg/kg	2	<2	<2	0	<2	<2	0	<2	<2	0	<2	<2	0							<2	<2	0												
	Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Omethoate	mg/kg	2	<2	<2	0	<2	<2	0	<2	<2	0	<2	<2	0							<2	<2	0												
	Phorate	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Pirimiphos-methyl	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Ronnel	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Tetrachlorvinphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
	Parathion	mg/kg	0.2 : 0.1 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0							<0.2	<0.2	0												
phorus Pesticides																																				
Polychlorina	Arochlor 1016	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1221	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1232	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1242	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1248	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1254	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	Arochlor 1260	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
	PCBs (Sum of total)	mg/kg	0.1							<0.1	<0.1	0	<0.1	<0.1	0							<0.1	<0.1	0										<0.1	<0.1	0
ted Biphenyls																																				
Phenols	2,4,5-trichlorophenol	mg/kg	1																			<1	<1	0												
	2,4,6-trichlorophenol	mg/kg	1																			<1	<1	0												
	2,4-dichlorophenol	mg/kg	0.5																			<0.5	<0.5	0												
	2,4-dimethylphenol	mg/kg	0.5																			<0.5	<0.5	0												
	2,4-dinitrophenol	mg/kg	5																			<5	<5	0												
	2,6-dichlorophenol	mg/kg	0.5																			<0.5	<0.5	0												
	2-chlorophenol	mg/kg	0.5																			<0.5	<0.5	0												
	2-Methylphenol	mg/kg	0.2																			<0.2	<0.2	0												
	2-nitrophenol	mg/kg	1																			<1	<1	0												
	3&4-Methylphenol (m&p-cresol)	mg/kg	0.4																			<0.4	<0.4	0												
	4,6-Dinitro-2-methylphenol	mg/kg	5																			<5	<5	0												
	4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20																			<20	<20	0												
	4-Chloro-3-Methylphenol	mg/kg	1																			<1	<1	0												
	4-nitrophenol	mg/kg	5																			<5	<5	0												
	Cresol Total	mg/kg	0.5																			<0.5	<0.5	0												
	Phenol	mg/kg	0.5																			<0.5	<0.5	0												
	Tetrachlorophenols	mg/kg	10																			<10	<10	0												
	Phenols (Total Halogenated)	mg/kg	1																			<1	<1	0												
	Phenols (Total Non Halogenated)	mg/kg	20																			<20	<20	0												
Chlorinated	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0										<0.05	<0.05	0
Benzenes																																				
Herbicides a	2,4,5-TP (Silvex)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	2,4-Dichlorprop	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	2-Methyl-4-Chlorophenoxy Butanoic A	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	4-(2,4-Dichlorophenoxy)butyric Acid (2	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	Dicamba	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	Dinoseb	mg/kg	20 : 1 (Interlab)																			<20	<20	0												
	Dinoseb	mg/kg	0.5 : 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	Hedonal	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
	Mecoprop	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												
ı Fungicides																																				
Non-Metalli	Cyanide Total	mg/kg	1 : 0.5 (Interlab)																			<1	<1	0												
c Inorganics																																				
EPA VIC - IW	Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0										<0.1	<0.1	0
	Other Organochlorine Pesticides EPAV	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0										<0.1	<0.1	0
RG621																																				
Asbestos - E	Approximate Sample Mass	g		582	680	16	895	760	16	30	39	26	52	43	19	636	567	11	643	603	6	580	640	10	711	660	7	652	762	16	846	949	11	428	510	17
	Mass ACM	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	9.8928	0.0E0	200
	Mass Asbestos in ACM	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.98928	0.0E0	200
	Asbestos from ACM in Soil	% (w/w)		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	3103222793080	0.0E0	200
	Mass FA	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	Mass Asbestos in FA	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	Mass AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	Mass asbestos in AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	Asbestos from FA & AF in Soil	% (w/w)		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	Mass Asbestos in FA & AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0
	ACM - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	FA- Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	AF - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	Organic Fibres - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	Respirable Fibres - Comment	Comment		1	1	0				1	1	0							1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	Synthetic Fibres - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
	Asbestos Reported Result	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
urofins																																				
Other	Moisture Content (dried @ 103°C)	%	1	**22**	**31**	**34**	21	19	10	22	27	20	27	23	16	39	46	16	15	16	6	**12**	**17**	**34**	13	13	0	13	14	7	23	20	14	23	22	4
	Actril (loxynil)	mg/kg	0.5 : 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0							<0.5	<0.5	0												

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL); 30 (10-30 x EQL); 30 (> 30 x EQL))
***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil) Filter: ALL			SDG	924719	924719		924719	924719		924721	924721		924721	924721		923050	ENVIROLAB 2022-09-14T00:00:00		923050	ENVIROLAB 2022-09-14T00:00:00		923582	ENVIROLAB 2022-09-18T00:00:00		923582	ENVIROLAB 2022-09-18T00:00:00		923582
			Field ID	TP225_0.0-0.1	20220915_QC01LW	RPD	TP088_0.0-0.1	20220915_QC01ST	RPD	TP207_0.0-0.1	20220916_QC01LW	RPD	TP039_0.0-0.1	20220916_QC01ST	RPD	TP052_0.0-0.1	20220912-QA03	RPD	TP066_0.0-0.1	20220912-QC6	RPD	TP049_1.5-1.6	20220913-QA07	RPD	TP214_0.0-0.1	20220913-QA01LW	RPD	TP004_0.0-0.1
			Sampled Date/Time	15/09/2022	15/09/2022		15/09/2022	15/09/2022		16/09/2022	16/09/2022		16/09/2022	16/09/2022		12/09/2022	12/09/2022		12/09/2022	12/09/2022		13/09/2022	13/09/2022		13/09/2022	13/09/2022		13/09/2022
Chem_Grou	**ChemName**	**Units**	**EQL**																									
Metals & M	Arsenic	mg/kg	2 : 4 (Interlab)	12	11	9	**7.1**	**13**	**59**	**9.8**	**17**	**54**	**27**	**<2**	**172**	9.3	10	7	12	10	18	**2.8**	**6**	**73**	6.9	6	14	**18**
	Cadmium	mg/kg	0.4	<0.4	<0.4	0	**0.9**	**1.8**	**67**	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	31	33	6	**17**	**26**	**42**	**16**	**30**	**61**	**40**	**<5**	**156**	8	6	29	**16**	**10**	**46**	**5.3**	**9**	**52**	15	15	0	**20**
	Copper	mg/kg	5 : 1 (Interlab)	**8.2**	**15**	**59**	**19**	**31**	**48**	**12**	**7.2**	**50**	**10**	**<5**	**67**	**7.9**	**12**	**41**	21	26	21	26	22	17	11	11	0	**16**
	Lead	mg/kg	5 : 1 (Interlab)	**31**	**22**	**34**	200	200	0	**18**	**13**	**32**	**25**	**<5**	**133**	9.9	11	11	16	15	6	12	12	0	19	18	5	26
	Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
	Nickel	mg/kg	5 : 1 (Interlab)	**5.7**	**15**	**90**	**8.1**	**12**	**39**	<5	<5	0	5	<5	0	<5	4	0	7.3	7	4	**5.8**	**4**	**37**	6.4	6	6	7.5
	Zinc	mg/kg	5 : 1 (Interlab)	**19**	**31**	**48**	**51**	**73**	**35**	**6.5**	**9.5**	**38**	**14**	**<5**	**95**	16	19	17	49	51	4	**56**	**28**	**67**	16	21	27	34
etalloids																												
TPHs (NEPC	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0				<20	<20	0	<20	<25	0	<20	<25	0				<20	<25	0	<20
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	<20	<20	0	<20	<20	0				<20	<20	0	<20	<50	0	<20	<50	0				<20	<50	0	<20
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	<50	<50	0	<50	<50	0				<50	<50	0	<50	<100	0	<50	<100	0				<50	<100	0	<50
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	<50	<50	0	<50	<50	0				<50	<50	0	<50	<100	0	<50	<100	0				<50	<100	0	<50
	C10-C36 Fraction (Sum of Total)	mg/kg	50	<50	<50	0	<50	<50	0				<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0	<50
1999)																												
TRHs (NEPC	C6-C10	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0				<20	<20	0	<20	<25	0	<20	<25	0				<20	<25	0	<20
	C10-C16	mg/kg	50	<50	<50	0	<50	<50	0				<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0	<50
	C16-C34	mg/kg	100	<100	<100	0	<100	<100	0				<100	<100	0	<100	<100	0	<100	<100	0				<100	<100	0	<100
	C34-C40	mg/kg	100	<100	<100	0	<100	<100	0				<100	<100	0	<100	<100	0	<100	<100	0				<100	<100	0	<100
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	<100	<100	0	<100	<100	0				<100	<100	0	<100	<50	0	<100	<50	0				<100	<50	0	<100
	F1 (C6-C10 minus BTEX)	mg/kg	20 : 25 (Interlab)	<20	<20	0	<20	<20	0				<20	<20	0	<20	<25	0	<20	<25	0				<20	<25	0	<20
	F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	<50	0	<50	<50	0				<50	<50	0	<50	<50	0	<50	<50	0				<50	<50	0	<50
2013)																												
BTEXN	Benzene	mg/kg	0.1 : 0.2 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1	<0.2	0				<0.1	<0.2	0	<0.1
	Toluene	mg/kg	0.1 : 0.5 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1	<0.5	0				<0.1	<0.5	0	<0.1
	Ethylbenzene	mg/kg	0.1 : 1 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1	<1	0				<0.1	<1	0	<0.1
	Xylene (o)	mg/kg	0.1 : 1 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1	<1	0				<0.1	<1	0	<0.1
	Xylene (m & p)	mg/kg	0.2 : 2 (Interlab)	<0.2	<0.2	0	<0.2	<0.2	0				<0.2	<0.2	0				<0.2	<2	0				<0.2	<2	0	<0.2
	Xylene Total	mg/kg	0.3 : 1 (Interlab)	<0.3	<0.3	0	<0.3	<0.3	0				<0.3	<0.3	0				<0.3	<1	0				<0.3	<1	0	<0.3
	Naphthalene_VOC	mg/kg	0.5 : 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5			<0.5	<1	0				<0.5	<1	0	<0.5
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0	<0.5	<0.05	0				<0.5	<0.05	0	<0.5
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0				1.2	1.2	0	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**				**1.2**	**<0.5**	**82**	**1.2**
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0				0.6	0.6	0	0.6	<0.5	18	0.6	<0.5	18				0.6	<0.5	18	0.6
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5
	Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5			<0.5						<0.5			<0.5
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5			<0.5						<0.5			<0.5
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				**0.6**	**<0.1**	**143**	<0.5
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<0.5	<0.1	0	<0.5
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.1	0	<0.5	<0.1	0				<1	<0.1	0	<0.5
	PAHs (Sum of total)	mg/kg	0.5 : 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0	<0.5	<0.05	0	<0.5	<0.05	0				<1	<0.05	0	<0.5
Organochlo	Pentachlorophenol	mg/kg	1																<1									
	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05									
	Chlordane	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0				<0.1									
	DDT	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endrin	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05									
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0				<0.05	<0.1	0							
	Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0				<0.5	<0.5	0				<0.5									
·ine Pesticides																												
Organophos	Azinophos methyl	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Bolstar (Sulprofos)	mg/kg	0.2																<0.2									
	Chlorfenvinphos	mg/kg	0.2																<0.2									
	Chlorpyrifos	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Chlorpyrifos-methyl	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Coumaphos	mg/kg	2																<2									
	Demeton-O	mg/kg	0.2																<0.2									
	Demeton-S	mg/kg	0.2																<0.2									
	Diazinon	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Dichlorvos	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Dimethoate	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							
	Disulfoton	mg/kg	0.2																<0.2									
	EPN	mg/kg	0.2																<0.2									
	Ethion	mg/kg	0.2 : 0.1 (Interlab)																<0.2	<0.1	0							

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil) Filter: ALL			SDG Field ID Sampled Date/Time	924719 TP225_0.0-0.1 15/09/2022	924719 20220915_QC01LW 15/09/2022	RPD	924719 TP088_0.0-0.1 15/09/2022	924719 20220915_QC01ST 15/09/2022	RPD	924721 TP207_0.0-0.1 16/09/2022	924721 20220916_QC01LW 16/09/2022	RPD	924721 TP039_0.0-0.1 16/09/2022	924721 20220916_QC01ST 16/09/2022	RPD	923050 TP052_0.0-0.1 12/09/2022	ENVIROLAB 2022-09-14T00:00:00 20220912-QA03 12/09/2022	RPD	923050 TP066_0.0-0.1 12/09/2022	ENVIROLAB 2022-09-14T00:00:00 20220912-QC6 12/09/2022	RPD	923582 TP049_1.5-1.6 13/09/2022	ENVIROLAB 2022-09-18T00:00:00 20220913-QA07 13/09/2022	RPD	923582 TP214_0.0-0.1 13/09/2022	ENVIROLAB 2022-09-18T00:00:00 20220913-QA01LW 13/09/2022	RPD	923582 TP004_0.0-0.1 13/09/2022
	Ethoprop	mg/kg	0.2															<0.2									
	Fenitrothion	mg/kg	0.2 : 0.1 (Interlab)															<0.2	<0.1	0							
	Fensulfothion	mg/kg	0.2															<0.2									
	Fenthion	mg/kg	0.2															<0.2									
	Malathion	mg/kg	0.2 : 0.1 (Interlab)															<0.2	<0.1	0							
	Merphos	mg/kg	0.2															<0.2									
	Methyl parathion	mg/kg	0.2															<0.2									
	Mevinphos (Phosdrin)	mg/kg	0.2															<0.2									
	Monocrotophos	mg/kg	2															<2									
	Naled (Dibrom)	mg/kg	0.2															<0.2									
	Omethoate	mg/kg	2															<2									
	Phorate	mg/kg	0.2															<0.2									
	Pirimiphos-methyl	mg/kg	0.2															<0.2									
	Pyrazophos	mg/kg	0.2															<0.2									
	Ronnel	mg/kg	0.2 : 0.1 (Interlab)															<0.2	<0.1	0							
	Terbufos	mg/kg	0.2															<0.2									
	Tetrachlorvinphos	mg/kg	0.2															<0.2									
	Tokuthion	mg/kg	0.2															<0.2									
	Trichloronate	mg/kg	0.2															<0.2									
	Parathion	mg/kg	0.2 : 0.1 (Interlab)															<0.2	<0.1	0							
phorus Pesticides																											
Polychlorina	Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
	PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1	<0.1	0							
ted Biphenyls																											
Phenols	2,4,5-trichlorophenol	mg/kg	1															<1									
	2,4,6-trichlorophenol	mg/kg	1															<1									
	2,4-dichlorophenol	mg/kg	0.5															<0.5									
	2,4-dimethylphenol	mg/kg	0.5															<0.5									
	2,4-dinitrophenol	mg/kg	5															<5									
	2,6-dichlorophenol	mg/kg	0.5															<0.5									
	2-chlorophenol	mg/kg	0.5															<0.5									
	2-Methylphenol	mg/kg	0.2															<0.2									
	2-nitrophenol	mg/kg	1															<1									
	3&4-Methylphenol (m&p-cresol)	mg/kg	0.4															<0.4									
	4,6-Dinitro-2-methylphenol	mg/kg	5															<5									
	4,6-Dinitro-2-methylphenol	mg/kg	0.5															<0.5									
	4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20															<20									
	4-Chloro-3-Methylphenol	mg/kg	1															<1									
	4-nitrophenol	mg/kg	5															<5									
	Cresol Total	mg/kg	0.5															<0.5									
	Phenol	mg/kg	0.5															<0.5									
	Tetrachlorophenols	mg/kg	10															<10									
	Phenols (Total Halogenated)	mg/kg	1															<1									
	Phenols (Total Non Halogenated)	mg/kg	20															<20									
Chlorinated	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0				<0.05	<0.05	0			<0.05	<0.1	0							
Benzenes																											
Herbicides	2,4,5-TP (Silvex)	mg/kg	0.5															<0.5	<0.5	0							
	2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5															<0.5	<0.5	0							
	2,4-Dichlorprop	mg/kg	0.5															<0.5	<0.5	0							
	2-Methyl-4-Chlorophenoxy Butanoic A	mg/kg	0.5															<0.5	<0.5	0							
	2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5															<0.5	<0.5	0							
	4-(2,4-Dichlorophenoxy)butyric Acid (2	mg/kg	0.5															<0.5									
	Dicamba	mg/kg	0.5															<0.5	<0.5	0							
	Dinoseb	mg/kg	20 : 1 (Interlab)															<20	<1	0							
	Dinoseb	mg/kg	0.5 : 1 (Interlab)															<0.5	<1	0							
	Hedonal	mg/kg	0.5															<0.5	<0.5	0							
	Mecoprop	mg/kg	0.5															<0.5	<0.5	0							
ı Fungicides																											
Non-Metalli	Cyanide Total	mg/kg	1 : 0.5 (Interlab)															<1	<0.5	0							
c Inorganics																											
EPA VIC - IW	Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1									
	Other Organochlorine Pesticides EPAV	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0				<0.1	<0.1	0			<0.1									
RG621																											
Asbestos - B	Approximate Sample Mass	g		594	557	6	500	501	0	48	675	173	703	537	27	643		580						652			711
	Mass ACM	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass Asbestos in ACM	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Asbestos from ACM in Soil	% (w/w)		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass FA	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass Asbestos in FA	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass asbestos in AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Asbestos from FA & AF in Soil	% (w/w)		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	Mass Asbestos in FA & AF	g		0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0	0.0E0	0	0.0E0		0.0E0						0.0E0			0.0E0
	ACM - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
	FA- Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
	AF - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
	Organic Fibres - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
	Respirable Fibres - Comment	Comment		1	1	0	1	1	0				1	1	0	1		1						1			1
	Synthetic Fibres - Comment	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
	Asbestos Reported Result	Comment		1	1	0	1	1	0	1	1	0	1	1	0	1		1						1			1
urofins																											
Other	Moisture Content (dried @ 103°C)	%	1	19	20	5	28	28	0	17	18	6	**14**	**25**	**56**	15		12						13			13
	Actril (loxynil)	mg/kg	0.5 : 1 (Interlab)															<0.5	<1	0							

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL
***Interlab Duplicates are matched on a per compound basis as methods vary between lab

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil)
Filter: ALL

			SDG	ENVIROLAB 2022-09-18T00:00:00		924721	ENVIROLAB 2022-09-20T00:00:00		924721	ENVIROLAB 2022-09-20T00:00:00		924697	ENVIROLAB 2022-09-20T00:00:00		924697
			Field ID	QA09	RPD	TP207_0-0.1	20220916_QA01LW	RPD	TP039_0-0.1	20220916_QA01ST	RPD	TP060_0-0.1	20220914__QA01ST	RPD	TP125_0-0.1
			Sampled Date/Time	13/09/2022		16/09/2022	16/09/2022		16/09/2022	16/09/2022		14/09/2022	14/09/2022		14/09/2022
Chem_Grou	ChemName	Units	EQL												
Metals & M	Arsenic	mg/kg	2 : 4 (Interlab)	**11**	**48**	9.8	12	20	**27**	**6**	**127**	9.8	9	9	11
	Cadmium	mg/kg	0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	**26**
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	**14**	**35**	**16**	**25**	**44**	**40**	**9**	**127**	17	14	19	28
	Copper	mg/kg	5 : 1 (Interlab)	**11**	**37**	**12**	**6**	**67**	**10**	**5**	**67**	29	25	15	**42**
	Lead	mg/kg	5 : 1 (Interlab)	21	21	18	15	18	25	22	13	21	19	10	2200
	Mercury	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
	Nickel	mg/kg	5 : 1 (Interlab)	6	22	<5	3	0	**5**	**3**	**50**	12	10	18	**22**
	Zinc	mg/kg	5 : 1 (Interlab)	26	27	**6.5**	**9**	**32**	14	13	7	48	41	16	**100**
etalloids															
TPHs (NEPC	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<25	0				<20	<25	0				<20
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	<50	0				<20	<50	0				<20
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	<100	0				<50	<100	0				<50
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	<100	0				<50	<100	0				<50
	C10-C36 Fraction (Sum of Total)	mg/kg	50	<50	0				<50	<50	0				<50
1999)															
TRHs (NEPC	C6-C10	mg/kg	20 : 25 (Interlab)	<25	0				<20	<25	0				<20
	C10-C16	mg/kg	50	<50	0				<50	<50	0				<50
	C16-C34	mg/kg	100	<100	0				<100	<100	0				<100
	C34-C40	mg/kg	100	<100	0				<100	<100	0				<100
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	<50	0				<100	<50	0				<100
	F1 (C6-C10 minus BTEX)	mg/kg	20 : 25 (Interlab)	<25	0				<20	<25	0				<20
	F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	0				<50	<50	0				<50
2013)															
BTEXN	Benzene	mg/kg	0.1 : 0.2 (Interlab)	<0.2	0				<0.1	<0.2	0				<0.1
	Toluene	mg/kg	0.1 : 0.5 (Interlab)	<0.5	0				<0.1	<0.5	0				<0.1
	Ethylbenzene	mg/kg	0.1 : 1 (Interlab)	<1	0				<0.1	<1	0				<0.1
	Xylene (o)	mg/kg	0.1 : 1 (Interlab)	<1	0				<0.1	<1	0				<0.1
	Xylene (m & p)	mg/kg	0.2 : 2 (Interlab)	<2	0				<0.2	<2	0				<0.2
	Xylene Total	mg/kg	0.3 : 1 (Interlab)	<1	0				<0.3	<1	0				<0.3
	Naphthalene_VOC	mg/kg	0.5 : 1 (Interlab)	<1	0				<0.5	<1	0				<0.5
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0				<0.5	<0.05	0				<0.5
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	**<0.5**	**82**				**1.2**	**<0.5**	**82**				**1.2**
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	<0.5	18				0.6	<0.5	18				0.6
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	0				<0.5	<0.5	0				<0.5
	Benzo(b+j)fluoranthene	mg/kg	0.5						<0.5						<0.5
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Benzo(k)fluoranthene	mg/kg	0.5						<0.5						<0.5
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0				<0.5	<0.1	0				<0.5
	PAHs (Sum of total)	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0				<0.5	<0.05	0				<0.5
Organochlo	Pentachlorophenol	mg/kg	1												
	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Aldrin + Dieldrin	mg/kg	0.05						<0.05						<0.05
	Chlordane	mg/kg	0.1						<0.1						<0.1
	DDT	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	DDD	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endrin	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Endrin ketone	mg/kg	0.05						<0.05						<0.05
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
	Toxaphene	mg/kg	0.5						<0.5						<0.5
ine Pesticides															
Organophos	Azinophos methyl	mg/kg	0.2 : 0.1 (Interlab)												
	Bolstar (Sulprofos)	mg/kg	0.2												
	Chlorfenvinphos	mg/kg	0.2												
	Chlorpyrifos	mg/kg	0.2 : 0.1 (Interlab)												
	Chlorpyrifos-methyl	mg/kg	0.2 : 0.1 (Interlab)												
	Coumaphos	mg/kg	2												
	Demeton-O	mg/kg	0.2												
	Demeton-S	mg/kg	0.2												
	Diazinon	mg/kg	0.2 : 0.1 (Interlab)												
	Dichlorvos	mg/kg	0.2 : 0.1 (Interlab)												
	Dimethoate	mg/kg	0.2 : 0.1 (Interlab)												
	Disulfoton	mg/kg	0.2												
	EPN	mg/kg	0.2												
	Ethion	mg/kg	0.2 : 0.1 (Interlab)												

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil)
Filter: ALL

			SDG	ENVIROLAB 2022-09-18T00:00:00		924721	ENVIROLAB 2022-09-20T00:00:00		924721	ENVIROLAB 2022-09-20T00:00:00		924697	ENVIROLAB 2022-09-20T00:00:00		924697
			Field ID	QA09	**RPD**	TP207_0-0.1	20220916_QA01LW	**RPD**	TP039_0-0.1	20220916_QA01ST	**RPD**	TP060_0-0.1	20220914__QA01ST	**RPD**	TP125_0-0.1
			Sampled Date/Time	13/09/2022		16/09/2022	16/09/2022		16/09/2022	16/09/2022		14/09/2022	14/09/2022		14/09/2022
	Ethoprop	mg/kg	0.2												
	Fenitrothion	mg/kg	0.2 : 0.1 (Interlab)												
	Fensulfothion	mg/kg	0.2												
	Fenthion	mg/kg	0.2												
	Malathion	mg/kg	0.2 : 0.1 (Interlab)												
	Merphos	mg/kg	0.2												
	Methyl parathion	mg/kg	0.2												
	Mevinphos (Phosdrin)	mg/kg	0.2												
	Monocrotophos	mg/kg	2												
	Naled (Dibrom)	mg/kg	0.2												
	Omethoate	mg/kg	2												
	Phorate	mg/kg	0.2												
	Pirimiphos-methyl	mg/kg	0.2												
	Pyrazophos	mg/kg	0.2												
	Ronnel	mg/kg	0.2 : 0.1 (Interlab)												
	Terbufos	mg/kg	0.2												
	Tetrachlorvinphos	mg/kg	0.2												
	Tokuthion	mg/kg	0.2												
	Trichloronate	mg/kg	0.2												
	Parathion	mg/kg	0.2 : 0.1 (Interlab)												
phorus Pesticides															
Polychlorina	Arochlor 1016	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1221	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1232	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1242	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1248	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1254	mg/kg	0.1						<0.1	<0.1	0				<0.1
	Arochlor 1260	mg/kg	0.1						<0.1	<0.1	0				<0.1
	PCBs (Sum of total)	mg/kg	0.1						<0.1	<0.1	0				<0.1
ted Biphenyls															
Phenols	2,4,5-trichlorophenol	mg/kg	1												
	2,4,6-trichlorophenol	mg/kg	1												
	2,4-dichlorophenol	mg/kg	0.5												
	2,4-dimethylphenol	mg/kg	0.5												
	2,4-dinitrophenol	mg/kg	5												
	2,6-dichlorophenol	mg/kg	0.5												
	2-chlorophenol	mg/kg	0.5												
	2-Methylphenol	mg/kg	0.2												
	2-nitrophenol	mg/kg	1												
	3&4-Methylphenol (m&p-cresol)	mg/kg	0.4												
	4,6-Dinitro-2-methylphenol	mg/kg	5												
	4,6-Dinitro-2-methylphenol	mg/kg	0.5												
	4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20												
	4-Chloro-3-Methylphenol	mg/kg	1												
	4-nitrophenol	mg/kg	5												
	Cresol Total	mg/kg	0.5												
	Phenol	mg/kg	0.5												
	Tetrachlorophenols	mg/kg	10												
	Phenols (Total Halogenated)	mg/kg	1												
	Phenols (Total Non Halogenated)	mg/kg	20												
Chlorinated	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)						<0.05	<0.1	0				<0.05
Benzenes															
Herbicides	2,4,5-TP (Silvex)	mg/kg	0.5												
	2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5												
	2,4-Dichlorprop	mg/kg	0.5												
	2-Methyl-4-Chlorophenoxy Butanoic A	mg/kg	0.5												
	2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5												
	4-(2,4-Dichlorophenoxy)butyric Acid (2	mg/kg	0.5												
	Dicamba	mg/kg	0.5												
	Dinoseb	mg/kg	20 : 1 (Interlab)												
	Dinoseb	mg/kg	0.5 : 1 (Interlab)												
	Hedonal	mg/kg	0.5												
	Mecoprop	mg/kg	0.5												
↓ Fungicides															
Non-Metalli	Cyanide Total	mg/kg	1 : 0.5 (Interlab)												
c Inorganics															
EPA VIC - IW	Organochlorine Pesticides EPAVic	mg/kg	0.1						<0.1						<0.1
	Other Organochlorine Pesticides EPAV	mg/kg	0.1						<0.1						<0.1
RG621															
Asbestos - E	Approximate Sample Mass	g				48			703			846			428
	Mass ACM	g				0.0E0			0.0E0			0.0E0			9.8928
	Mass Asbestos in ACM	g				0.0E0			0.0E0			0.0E0			0.98928
	Asbestos from ACM in Soil	% (w/w)				0.0E0			0.0E0			0.0E0			0.23103222279308
	Mass FA	g				0.0E0			0.0E0			0.0E0			0.0E0
	Mass Asbestos in FA	g				0.0E0			0.0E0			0.0E0			0.0E0
	Mass AF	g				0.0E0			0.0E0			0.0E0			0.0E0
	Mass asbestos in AF	g				0.0E0			0.0E0			0.0E0			0.0E0
	Asbestos from FA & AF in Soil	% (w/w)				0.0E0			0.0E0			0.0E0			0.0E0
	Mass Asbestos in FA & AF	g				0.0E0			0.0E0			0.0E0			0.0E0
	ACM - Comment	Comment				1			1			1			1
	FA- Comment	Comment				1			1			1			1
	AF - Comment	Comment				1			1			1			1
	Organic Fibres - Comment	Comment				1			1			1			1
	Respirable Fibres - Comment	Comment							1			1			1
	Synthetic Fibres - Comment	Comment				1			1			1			1
	Asbestos Reported Result	Comment				1			1			1			1
urofins															
Other	Moisture Content (dried @ 103°C)	%	1			17			14			23			23
	Actril (loxynil)	mg/kg	0.5 : 1 (Interlab)												

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL
***Interlab Duplicates are matched on a per compound basis as methods vary between lab

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil) Filter: ALL			SDG	ENVIROLAB 2022-09-20T00:00:00		924719	ENVIROLAB 2022-09-22T00:00:00		924719	ENVIROLAB 2022-09-22T00:00:00		933736	ENVIROLAB 2022-10-20T00:00:00		933736	ENVIROLAB 2022-10-20T00:00:00		934517	ENVIROLAB 2022-10-21T00:00:00		934517	ENVIROLAB 2022-10-21T00:00:00		934545
			Field ID	20220914__QA02ST	RPD	TP088_0.0-0.1	20220915__QA02ST	RPD	TP225_0.0-0.1	20220915__QA02LW	RPD	TP205_0-0.1	QA01-20221018	RPD	TP254_0-0.1	QA2-20221018	RPD	TP017_0_0.1	QA20221021-1	RPD	TP015_0_0.1	QA20221021-2	RPD	QC01_20221020
			Sampled Date/Time	14/09/2022		15/09/2022	15/09/2022		15/09/2022	15/09/2022		18/10/2022	18/10/2022		18/10/2022	18/10/2022		21/10/2022	21/10/2022		21/10/2022	21/10/2022		20/10/2022
Chem_Grou	**ChemName**	**Units**	**EQL**																					
Metals & M	Arsenic	mg/kg	2 : 4 (Interlab)	10	10	7.1	8	12	**12**	**5**	**82**	**9.7**	**7**	**32**	5.3	7	28	16	13	21	**12**	**6**	**67**	6.3
	Cadmium	mg/kg	0.4	**7.4**	**111**	**0.9**	**<0.4**	**77**	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	**0.6**
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	24	15	**17**	**11**	**43**	**31**	**9**	**110**	**12**	**8**	**40**	12	11	9	34	32	6	**23**	**15**	**42**	11
	Copper	mg/kg	5 : 1 (Interlab)	**110**	**89**	19	21	10	**8.2**	**13**	**45**	8	8	0	5.2	5	4	**13**	**7**	**60**	**17**	**10**	**52**	24
	Lead	mg/kg	5 : 1 (Interlab)	2800	24	**200**	**31**	**146**	**31**	**13**	**82**	**25**	**17**	**38**	26	24	8	31	26	18	38	34	11	34
	Mercury	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
	Nickel	mg/kg	5 : 1 (Interlab)	**12**	**59**	**8.1**	**4**	**68**	5.7	6	5	**5.8**	**4**	**37**	<5	4	0	**8.5**	**6**	**34**	**10**	**5**	**67**	8
	Zinc	mg/kg	5 : 1 (Interlab)	**35**	**96**	**51**	**25**	**68**	**19**	**12**	**45**	12	10	18	9.4	12	24	**32**	**19**	**51**	**53**	**30**	**55**	78
etalloids																								
TPHs (NEPC	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	<50	0	<20	<50	0	<20	<50	0	<20	<50	0	42	<50	0	<20	<50	0	<20	<50	0	<20
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	<100	0	<50	<100	0	<50	<100	0	<50	<100	0	61	<100	0	<50	<100	0	<50	<100	0	<50
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	<100	0	<50	<100	0	<50	<100	0	<50	<100	0	72	<100	0	<50	<100	0	<50	<100	0	<50
	C10-C36 Fraction (Sum of Total)	mg/kg	50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	**175**	**<50**	**111**	<50	<50	0	<50	<50	0	<50
1999)																								
TRHs (NEPC	C6-C10	mg/kg	20 : 25 (Interlab)	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20
	C10-C16	mg/kg	50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50
	C16-C34	mg/kg	100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	110	<100	10	<100	<100	0	<100	<100	0	<100
	C34-C40	mg/kg	100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100	<100	0	<100
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	<50	0	<100	<50	0	<100	<50	0	<100	<50	0	**110**	**<50**	**75**	<100	<50	0	<100	<50	0	<100
	F1 (C6-C10 minus BTEX)	mg/kg	20 : 25 (Interlab)	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20	<25	0	<20
	F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0	<50
2013)																								
BTEXN	Benzene	mg/kg	0.1 : 0.2 (Interlab)	<0.2	0	<0.1	<0.2	0	<0.1	<0.2	0	<0.1	<0.2	0	<0.1	<0.2	0							<0.1
	Toluene	mg/kg	0.1 : 0.5 (Interlab)	<0.5	0	<0.1	<0.5	0	<0.1	<0.5	0	<0.1	<0.5	0	<0.1	<0.5	0							<0.1
	Ethylbenzene	mg/kg	0.1 : 1 (Interlab)	<1	0	<0.1	<1	0	<0.1	<1	0	<0.1	<1	0	<0.1	<1	0							<0.1
	Xylene (o)	mg/kg	0.1 : 1 (Interlab)	<1	0	<0.1	<1	0	<0.1	<1	0	<0.1	<1	0	<0.1	<1	0							<0.1
	Xylene (m & p)	mg/kg	0.2 : 2 (Interlab)	<2	0	<0.2	<2	0	<0.2	<2	0	<0.2	<2	0	<0.2	<2	0							<0.2
	Xylene Total	mg/kg	0.3 : 1 (Interlab)	<1	0	<0.3	<1	0	<0.3	<1	0	<0.3	<1	0	<0.3	<1	0							<0.3
	Naphthalene_VOC	mg/kg	0.5 : 1 (Interlab)	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**	**<0.5**	**82**	**1.2**
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	<0.5	18	0.6	<0.5	18	0.6	<0.5	18	0.6	<0.5	18	0.6	<0.5	18	0.6	<0.5	18	0.6	<0.5	18	0.6
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Benzo(b+j)fluoranthene	mg/kg	0.5			<0.5			<0.5			<0.5			<0.5			<0.5			<0.5			
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Benzo(k)fluoranthene	mg/kg	0.5			<0.5			<0.5			<0.5			<0.5			<0.5			<0.5			
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5	<0.1	0	<0.5
	PAHs (Sum of total)	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5	<0.05	0	<0.5
Organochlo	Pentachlorophenol	mg/kg	1																					
	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Aldrin + Dieldrin	mg/kg	0.05			<0.05			<0.05			<0.05			<0.05			<0.05			<0.05			
	Chlordane	mg/kg	0.1			<0.1			<0.1			<0.1			<0.1			<0.1			<0.1			
	DDT	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	0.06
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Endrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Endrin ketone	mg/kg	0.05			<0.05			<0.05			<0.05			<0.05			<0.05			<0.05			
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
	Toxaphene	mg/kg	0.5			<0.5			<0.5			<0.5			<0.5			<0.5			<0.5			
ine Pesticides																								
Organophos	Azinophos methyl	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Bolstar (Sulprofos)	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	Chlorfenvinphos	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	Chlorpyrifos	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Chlorpyrifos-methyl	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Coumaphos	mg/kg	2									<2			<2			<2			<2			
	Demeton-O	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	Demeton-S	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	Diazinon	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Dichlorvos	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Dimethoate	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Disulfoton	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	EPN	mg/kg	0.2									<0.2			<0.2			<0.2			<0.2			
	Ethion	mg/kg	0.2 : 0.1 (Interlab)									<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil) Filter: ALL				SDG Field ID Sampled Date/Time	ENVIROLAB 2022-09-20T00:00:00 20220914__QA02ST 14/09/2022	RPD	924719 TP088_0.0-0.1 15/09/2022	ENVIROLAB 2022-09-22T00:00:00 20220915__QA02ST 15/09/2022	RPD	924719 TP225_0.0-0.1 15/09/2022	ENVIROLAB 2022-09-22T00:00:00 20220915__QA02LW 15/09/2022	RPD	933736 TP205_0-0.1 18/10/2022	ENVIROLAB 2022-10-20T00:00:00 QA01-20221018 18/10/2022	RPD	933736 TP254_0-0.1 18/10/2022	ENVIROLAB 2022-10-20T00:00:00 QA2-20221018 18/10/2022	RPD	934517 TP017_0_0.1 21/10/2022	ENVIROLAB 2022-10-21T00:00:00 QA20221021-1 21/10/2022	RPD	934517 TP015_0_0.1 21/10/2022	ENVIROLAB 2022-10-21T00:00:00 QA20221021-2 21/10/2022	RPD	934545 QC01_20221020 20/10/2022
	Ethoprop	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Fenitrothion	mg/kg	0.2 : 0.1 (Interlab)										<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Fensulfothion	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Fenthion	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Malathion	mg/kg	0.2 : 0.1 (Interlab)										<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Merphos	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Methyl parathion	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Mevinphos (Phosdrin)	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Monocrotophos	mg/kg	2										<2			<2			<2			<2			
	Naled (Dibrom)	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Omethoate	mg/kg	2										<2			<2			<2			<2			
	Phorate	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Pirimiphos-methyl	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Pyrazophos	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Ronnel	mg/kg	0.2 : 0.1 (Interlab)										<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
	Terbufos	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Tetrachlorvinphos	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Tokuthion	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Trichloronate	mg/kg	0.2										<0.2			<0.2			<0.2			<0.2			
	Parathion	mg/kg	0.2 : 0.1 (Interlab)										<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0	
phorus Pesticides																									
Polychlorina	Arochlor 1016	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1221	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1232	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1242	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1248	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1254	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	Arochlor 1260	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
	PCBs (Sum of total)	mg/kg	0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0								<0.1	<0.1	0	<0.1	<0.1	0	
ted Biphenyls																									
Phenols	2,4,5-trichlorophenol	mg/kg	1																						
	2,4,6-trichlorophenol	mg/kg	1																						
	2,4-dichlorophenol	mg/kg	0.5																						
	2,4-dimethylphenol	mg/kg	0.5																						
	2,4-dinitrophenol	mg/kg	5																						
	2,6-dichlorophenol	mg/kg	0.5																						
	2-chlorophenol	mg/kg	0.5																						
	2-Methylphenol	mg/kg	0.2																						
	2-nitrophenol	mg/kg	1																						
	3&4-Methylphenol (m&p-cresol)	mg/kg	0.4																						
	4,6-Dinitro-2-methylphenol	mg/kg	5																						
	4,6-Dinitro-2-methylphenol	mg/kg	0.5										<0.5			<0.5			<0.5			<0.5			
	4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20																						
	4-Chloro-3-Methylphenol	mg/kg	1																						
	4-nitrophenol	mg/kg	5																						
	Cresol Total	mg/kg	0.5																						
	Phenol	mg/kg	0.5																						
	Tetrachlorophenols	mg/kg	10																						
	Phenols (Total Halogenated)	mg/kg	1																						
	Phenols (Total Non Halogenated)	mg/kg	20																						
Chlorinated	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05	<0.1	0	<0.05
Benzenes																									
Herbicides	2,4,5-TP (Silvex)	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	2,4-Dichlorprop	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	2-Methyl-4-Chlorophenoxy Butanoic A	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	4-(2,4-Dichlorophenoxy)butyric Acid (2	mg/kg	0.5										<0.5			<0.5			<0.5			<0.5			
	Dicamba	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	Dinoseb	mg/kg	20 : 1 (Interlab)																						
	Dinoseb	mg/kg	0.5 : 1 (Interlab)										<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	
	Hedonal	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
	Mecoprop	mg/kg	0.5										<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
↓ Fungicides																									
Non-Metalli	Cyanide Total	mg/kg	1 : 0.5 (Interlab)																						
c Inorganics																									
EPA VIC - IW	Organochlorine Pesticides EPAVic	mg/kg	0.1			<0.1			<0.1			<0.1			<0.1			<0.1			<0.1			
	Other Organochlorine Pesticides EPAV	mg/kg	0.1			<0.1			<0.1			<0.1			<0.1			<0.1			<0.1			
RG621																									
Asbestos - E	Approximate Sample Mass	g				500			594			895			582			30			52			
	Mass ACM	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass Asbestos in ACM	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Asbestos from ACM in Soil	% (w/w)		73		0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass FA	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass Asbestos in FA	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass AF	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass asbestos in AF	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Asbestos from FA & AF in Soil	% (w/w)				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	Mass Asbestos in FA & AF	g				0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			0.0E0			
	ACM - Comment	Comment				1			1			1			1			1			1			
	FA- Comment	Comment				1			1			1			1			1			1			
	AF - Comment	Comment				1			1			1			1			1			1			
	Organic Fibres - Comment	Comment				1			1			1			1			1			1			
	Respirable Fibres - Comment	Comment				1			1			1			1			1						
	Synthetic Fibres - Comment	Comment				1			1			1			1			1			1			
	Asbestos Reported Result	Comment				1			1			1			1			1			1			
urofins																									
Other	Moisture Content (dried @ 103°C)	%	1			28			19			21			22			22			27			
	Actril (loxynil)	mg/kg	0.5 : 1 (Interlab)										<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	<0.5	<1	0	

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL
***Interlab Duplicates are matched on a per compound basis as methods vary between lab

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil)
Filter: ALL

SDG	ENVIROLAB 2022-10-25T00:00:00	
Field ID	QA01-20221020	**RPD**
Sampled Date/Time	20/10/2022	

Chem_Grou	ChemName	Units	EQL		
Metals & M	Arsenic	mg/kg	2 : 4 (Interlab)	8	24
	Cadmium	mg/kg	0.4	**<0.4**	**40**
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	12	9
	Copper	mg/kg	5 : 1 (Interlab)	27	12
	Lead	mg/kg	5 : 1 (Interlab)	26	27
	Mercury	mg/kg	0.1	<0.1	0
	Nickel	mg/kg	5 : 1 (Interlab)	9	12
	Zinc	mg/kg	5 : 1 (Interlab)	81	4
etalloids					
TPHs (NEPC	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<25	0
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	<50	0
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	<100	0
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	<100	0
	C10-C36 Fraction (Sum of Total)	mg/kg	50	<50	0
1999)					
TRHs (NEPC	C6-C10	mg/kg	20 : 25 (Interlab)	<25	0
	C10-C16	mg/kg	50	<50	0
	C16-C34	mg/kg	100	<100	0
	C34-C40	mg/kg	100	<100	0
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	<50	0
	F1 (C6-C10 minus BTEX)	mg/kg	20 : 25 (Interlab)	<25	0
	F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	0
2013)					
BTEXN	Benzene	mg/kg	0.1 : 0.2 (Interlab)	<0.2	0
	Toluene	mg/kg	0.1 : 0.5 (Interlab)	<0.5	0
	Ethylbenzene	mg/kg	0.1 : 1 (Interlab)	<1	0
	Xylene (o)	mg/kg	0.1 : 1 (Interlab)	<1	0
	Xylene (m & p)	mg/kg	0.2 : 2 (Interlab)	<2	0
	Xylene Total	mg/kg	0.3 : 1 (Interlab)	<1	0
	Naphthalene_VOC	mg/kg	0.5 : 1 (Interlab)	<1	0
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	**<0.5**	**82**
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	<0.5	18
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	0
	Benzo(b+j)fluoranthene	mg/kg	0.5		
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Benzo(k)fluoranthene	mg/kg	0.5		
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.1	0
	PAHs (Sum of total)	mg/kg	0.5 : 0.05 (Interlab)	<0.05	0
Organochlo	Pentachlorophenol	mg/kg	1		
	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Aldrin + Dieldrin	mg/kg	0.05		
	Chlordane	mg/kg	0.1		
	DDT	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endrin	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Endrin ketone	mg/kg	0.05		
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
	Toxaphene	mg/kg	0.5		
ine Pesticides					
Organophos	Azinophos methyl	mg/kg	0.2 : 0.1 (Interlab)		
	Bolstar (Sulprofos)	mg/kg	0.2		
	Chlorfenvinphos	mg/kg	0.2		
	Chlorpyrifos	mg/kg	0.2 : 0.1 (Interlab)		
	Chlorpyrifos-methyl	mg/kg	0.2 : 0.1 (Interlab)		
	Coumaphos	mg/kg	2		
	Demeton-O	mg/kg	0.2		
	Demeton-S	mg/kg	0.2		
	Diazinon	mg/kg	0.2 : 0.1 (Interlab)		
	Dichlorvos	mg/kg	0.2 : 0.1 (Interlab)		
	Dimethoate	mg/kg	0.2 : 0.1 (Interlab)		
	Disulfoton	mg/kg	0.2		
	EPN	mg/kg	0.2		
	Ethion	mg/kg	0.2 : 0.1 (Interlab)		

Soil RPDs
Project Number: 62343
Project Name: Guntawong Road

Field Duplicates (Soil)
Filter: ALL

			SDG	ENVIROLAB 2022-10-25T00:00:00	
			Field ID	QA01-20221020	**RPD**
			Sampled Date/Time	20/10/2022	
	Ethoprop	mg/kg	0.2		
	Fenitrothion	mg/kg	0.2 : 0.1 (Interlab)		
	Fensulfothion	mg/kg	0.2		
	Fenthion	mg/kg	0.2		
	Malathion	mg/kg	0.2 : 0.1 (Interlab)		
	Merphos	mg/kg	0.2		
	Methyl parathion	mg/kg	0.2		
	Mevinphos (Phosdrin)	mg/kg	0.2		
	Monocrotophos	mg/kg	2		
	Naled (Dibrom)	mg/kg	0.2		
	Omethoate	mg/kg	2		
	Phorate	mg/kg	0.2		
	Pirimiphos-methyl	mg/kg	0.2		
	Pyrazophos	mg/kg	0.2		
	Ronnel	mg/kg	0.2 : 0.1 (Interlab)		
	Terbufos	mg/kg	0.2		
	Tetrachlorvinphos	mg/kg	0.2		
	Tokuthion	mg/kg	0.2		
	Trichloronate	mg/kg	0.2		
	Parathion	mg/kg	0.2 : 0.1 (Interlab)		
phorus Pesticides					
Polychlorina	Arochlor 1016	mg/kg	0.1		
	Arochlor 1221	mg/kg	0.1		
	Arochlor 1232	mg/kg	0.1		
	Arochlor 1242	mg/kg	0.1		
	Arochlor 1248	mg/kg	0.1		
	Arochlor 1254	mg/kg	0.1		
	Arochlor 1260	mg/kg	0.1		
	PCBs (Sum of total)	mg/kg	0.1		
ted Biphenyls					
Phenols	2,4,5-trichlorophenol	mg/kg	1		
	2,4,6-trichlorophenol	mg/kg	1		
	2,4-dichlorophenol	mg/kg	0.5		
	2,4-dimethylphenol	mg/kg	0.5		
	2,4-dinitrophenol	mg/kg	5		
	2,6-dichlorophenol	mg/kg	0.5		
	2-chlorophenol	mg/kg	0.5		
	2-Methylphenol	mg/kg	0.2		
	2-nitrophenol	mg/kg	1		
	3&4-Methylphenol (m&p-cresol)	mg/kg	0.4		
	4,6-Dinitro-2-methylphenol	mg/kg	5		
	4,6-Dinitro-2-methylphenol	mg/kg	0.5		
	4,6-Dinitro-o-cyclohexyl phenol	mg/kg	20		
	4-Chloro-3-Methylphenol	mg/kg	1		
	4-nitrophenol	mg/kg	5		
	Cresol Total	mg/kg	0.5		
	Phenol	mg/kg	0.5		
	Tetrachlorophenols	mg/kg	10		
	Phenols (Total Halogenated)	mg/kg	1		
	Phenols (Total Non Halogenated)	mg/kg	20		
Chlorinated	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)	<0.1	0
Benzenes					
Herbicides	2,4,5-TP (Silvex)	mg/kg	0.5		
	2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.5		
	2,4-Dichlorprop	mg/kg	0.5		
	2-Methyl-4-Chlorophenoxy Butanoic A	mg/kg	0.5		
	2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.5		
	4-(2,4-Dichlorophenoxy)butyric Acid (2	mg/kg	0.5		
	Dicamba	mg/kg	0.5		
	Dinoseb	mg/kg	20 : 1 (Interlab)		
	Dinoseb	mg/kg	0.5 : 1 (Interlab)		
	Hedonal	mg/kg	0.5		
	Mecoprop	mg/kg	0.5		
; Fungicides					
Non-Metalli	Cyanide Total	mg/kg	1 : 0.5 (Interlab)		
c Inorganics					
EPA VIC - IW	Organochlorine Pesticides EPAVic	mg/kg	0.1		
	Other Organochlorine Pesticides EPAVi	mg/kg	0.1		
RG621					
Asbestos - E	Approximate Sample Mass	g			
	Mass ACM	g			
	Mass Asbestos in ACM	g			
	Asbestos from ACM in Soil	% (w/w)			
	Mass FA	g			
	Mass Asbestos in FA	g			
	Mass AF	g			
	Mass asbestos in AF	g			
	Asbestos from FA & AF in Soil	% (w/w)			
	Mass Asbestos in FA & AF	g			
	ACM - Comment	Comment			
	FA- Comment	Comment			
	AF - Comment	Comment			
	Organic Fibres - Comment	Comment			
	Respirable Fibres - Comment	Comment			
	Synthetic Fibres - Comment	Comment			
	Asbestos Reported Result	Comment			
urofins					
Other	Moisture Content (dried @ 103°C)	%	1		
	Actril (loxynil)	mg/kg	0.5 : 1 (Interlab)		

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL
***Interlab Duplicates are matched on a per compound basis as methods vary between lab

Water RPDs
Project Number: 62343
Project Name: Guntawong Rd DSI

Field Duplicates (Water)
Filter: ALL

	SDG	934431	934431		925644	925644		925644	ENVIROLAB 2022-09-22T00:00:00		934431	ENVIROLAB 2022-10-26T00:00:00	
	Field ID	GW04	QC-20221019	**RPD**	SW06	QCW01	**RPD**	SW06	QAW01	**RPD**	GW04	QA-20221019	**RPD**
	Sampled Date/Time	19/10/2022	19/10/2022		20/09/2022	20/09/2022		20/09/2022	20/09/2022		19/10/2022	19/10/2022	
Chem_Grou	**ChemName**	**Units**	**EQL**										
Metals & M	Arsenic (Filtered)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Cadmium (Filtered)	mg/l	0.0002 : 0.0001 (Interlab)	<0.0002	<0.0002	0	<0.0002	<0.0002	0	<0.0002	<0.0001	0	<0.0002	0.0002	0
	Chromium (III+VI) (Filtered)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Copper (Filtered)	mg/l	0.001	**<0.001**	**0.002**	**67**	**0.002**	**0.004**	**67**	**0.002**	**0.001**	**67**	<0.001	<0.001	0
	Lead (Filtered)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Mercury (Filtered)	mg/l	0.0001 : 5e-005 (Interlab)	<0.0001	<0.0001	0	<0.0001	<0.0001	0	<0.0001	<0.00005	0	<0.0001	<0.00005	0
	Nickel (Filtered)	mg/l	0.001	**0.002**	**0.001**	**67**	<0.001	<0.001	0	<0.001	<0.001	0	0.002	0.002	0
	Zinc (Filtered)	mg/l	0.005 : 0.001 (Interlab)	<0.005	0.005	0	<0.005	<0.005	0	<0.005	0.002	0	<0.005	0.003	0
etalloids															
TPHs (NEPC	C6-C9 Fraction	mg/l	0.02 : 0.01 (Interlab)	<0.02	<0.02	0	<0.02	<0.02	0	<0.02	<0.01	0	<0.02	<0.01	0
	C10-C14 Fraction	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0
	C15-C28 Fraction	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
	C29-C36 Fraction	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
	C10-C36 Fraction (Sum of Total)	mg/l	0.1 : 0.05 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.05	0	<0.1	<0.05	0
1999)															
TRHs (NEPC	C6-C10	mg/l	0.02 : 0.01 (Interlab)	<0.02	<0.02	0	<0.02	<0.02	0	<0.02	<0.01	0	<0.02	<0.01	0
	C10-C16	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0
	C16-C34	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
	C34-C40	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
	C10-C40 (Sum of total)	mg/l	0.1 : 0.05 (Interlab)	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.05	0	<0.1	<0.05	0
	F1 (C6-C10 minus BTEX)	mg/l	0.02 : 0.01 (Interlab)	<0.02	<0.02	0	<0.02	<0.02	0	<0.02	<0.01	0	<0.02	<0.01	0
	F2 (C10-C16 less Naphthalene)	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0
2013)															
BTEXN	Benzene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Toluene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Ethylbenzene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Xylene (o)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Xylene (m & p)	mg/l	0.002	<0.002	<0.002	0	<0.002	<0.002	0	<0.002	<0.002	0	<0.002	<0.002	0
	Xylene Total	mg/l	0.003	<0.003	<0.003	0	<0.003	<0.003	0	<0.003			<0.003		
	Naphthalene_VOC	mg/l	0.01 : 0.001 (Interlab)	<0.01	<0.01	0	<0.01	<0.01	0	<0.01	<0.001	0	<0.01	<0.001	0
PAH	Acenaphthene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Acenaphthylene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Anthracene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Benz(a)anthracene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Benzo(a)pyrene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Benzo(b+j)fluoranthene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001			<0.001		
	Benzo(g,h,i)perylene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Benzo(k)fluoranthene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001			<0.001		
	Chrysene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Dibenz(a,h)anthracene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Fluoranthene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Fluorene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Indeno(1,2,3-c,d)pyrene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Naphthalene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Phenanthrene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	Pyrene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0
	PAHs (Sum of total)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	0.0E0	0	<0.001	0.0E0	0
Non-Metalli	Ammonia as N	mg/l	0.01				**<0.01**	**0.02**	**67**	<0.01					
	Nitrate (as N)	mg/l	0.02				0.03	0.03	0	0.03					
	Nitrite (as N)	mg/l	0.02				<0.02	<0.02	0	<0.02					
	Nitrogen (Total)	mg/l	0.2 : 0.1 (Interlab)				0.9	0.7	25	**0.9**	**0.3**	**100**			
	Kjeldahl Nitrogen Total	mg/l	0.2				0.9	0.7	25	0.9					
c Inorganics															
Major Catio	Calcium	mg/l	0.5	460	480	4	51	50	2	51			460		
	Potassium	mg/l	0.5	40	38	5							40		
	Magnesium	mg/l	0.5	720	730	1	26	26	0	26			720		
	Sodium	mg/l	0.5	2700	2800	4							2700		
ns															
Major Anior	Alkalinity (Carbonate as CaCO3)	mg/l	10 : 5 (Interlab)	<10	<10	0							<10	<5	0
	Alkalinity (Hydroxide) as CaCO3	mg/l	20 : 5 (Interlab)	<20	<20	0							<20	<5	0
	Alkalinity (Bicarbonate as CaCO3)	mg/l	20 : 5 (Interlab)	1800	1900	5							**1800**	**1000**	**57**
	Chloride	mg/l	1	8300	6300	27							**8300**	**5700**	**37**
	Sulphate	mg/l	2 : 1 (Interlab)	**690**	**470**	**38**							**690**	**450**	**42**
s															
Ionic Balanc	Alkalinity (total) as CaCO3	mg/l	20 : 5 (Interlab)	1800	1900	5							**1800**	**1000**	**57**
	Electrical Conductivity (Lab)	µS/cm	10	**14000**	**20000**	**35**	610	600	2	610			14000		
	Hardness as CaCO3	mg/l	5				240	240	0	240					
	pH (Lab)	PH UNITS	0.1	7.1	7.1	0	8.1	8.1	0	8.1			7.1	6.9	3
e															
Inorganics	Nitrite + Nitrate as N	mg/l	0.05				<0.05	<0.05	0	<0.05					
	Phosphate (as P)	mg/l	0.01				0.05	0.05	0	0.05					
Other	Turbidity	-	1 : 0.1 (Interlab)	**110**	**40**	**93**	5.5	5.9	7	5.5			**110**	**49**	**77**

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 30 (1-10 x EQL); 30 (10-30 x EQL); 30 (> 30 x EQL))
***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

Contents

Lab Duplicates with high RPDs

SDG	Lab_Report_Number	Matrix_Type	Lab_Duplicate	Field_ID	Depth	Sampled_Date_Time	Method_Name	Compound	Parent_Result	Dupe_Result	Result_Unit	EQL	RPD
925644	925644	water	NCP_Se0039754_925644-DUP			16/09/2022	LTM-ORG-2010 BTEX and Volatile TRH	m&p-Xylenes	0.006	0.003	MG/L	0.002 mg/L	66
925644	925644	water	NCP_Se0039754_925644-DUP			16/09/2022	LTM-ORG-2010 BTEX and Volatile TRH	Benzene	0.002	0.001	MG/L	0.001 mg/L	66
933736	933736	soil	S22-Oc0043385-DUP	TP250_0-0.1	TP2500.000 - 0.100	18/10/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Lead	17	10	MG/KG	5 mg/kg	51
933736	933736	soil	S22-Oc0043385-DUP	TP250_0-0.1	TP2500.000 - 0.100	18/10/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	7.9	3.8	MG/KG	2 mg/kg	70
933736	933736	soil	S22-Oc0043385-DUP	TP250_0-0.1	TP2500.000 - 0.100	18/10/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Chromium	17	8.3	MG/KG	5 mg/kg	68
923582	923582	soil	S22-Se0031615-DUP	TP005_0.4-0.5	TP0050.400 - 0.500	13/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	17	35	MG/KG	2 mg/kg	69
923582	923582	soil	S22-Se0031615-DUP	TP005_0.4-0.5	TP0050.400 - 0.500	13/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Zinc	13	30	MG/KG	5 mg/kg	79
924719	924719	soil	S22-Se0040932-DUP	TP194_0.0-0.1	TP1940.000 - 0.100	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Lead	20	37	MG/KG	5 mg/kg	59
924719	924719	soil	S22-Se0040932-DUP	TP194_0.0-0.1	TP1940.000 - 0.100	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	9.8	17	MG/KG	2 mg/kg	53
925644	925644	water	NCP_Se0039184_925644-DUP			14/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Zinc (filtered)	0.014	0.008	MG/L	0.005 mg/L	54
933736	933736	soil	S22-Oc0043393-DUP	TP255_0-0.1	TP2550.000 - 0.100	18/10/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	7.4	13	MG/KG	2 mg/kg	54
924697	924697	soil	S22-Se0040720-DUP	TP128_0-0.1	TP1280.000 - 0.100	14/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Nickel	15	8.5	MG/KG	5 mg/kg	55
924719	924719	soil	S22-Se0040910-DUP	SP06-10	SP06-1010.000	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Arsenic	6.9	16	MG/KG	2 mg/kg	79
924719	924719	soil	S22-Se0040879-DUP	TP073_0.0-0.1	TP0730.000 - 0.100	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Lead	18	32	MG/KG	5 mg/kg	56
924719	924719	soil	S22-Se0040879-DUP	TP073_0.0-0.1	TP0730.000 - 0.100	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Zinc	18	32	MG/KG	5 mg/kg	56
924719	924719	soil	S22-Se0040910-DUP	SP06-10	SP06-1010.000	15/09/2022	LTM-MET-3040 Metals in Waters Soils & Sediments by ICP-MS	Chromium	14	38	MG/KG	5 mg/kg	92

Contents

Surrogate Variation > 30% or outside lab LCL or UCL

SDG	Lab_Report_Number	Lab_Report_Number	Sample_Type	Matrix_Type	SampleCode	Field_ID	Depth	Sampled_Date_Time	Compound	Recovery %	Unit	LCL	UCL	Lab_Qualifier	Lab_Comments
ENVIROLAB 2022-09-18T00:00:00	305976	305976	Interlab_D	Soil	305976-1	20220913-QA07	QA07	13/09/2022	Surrogate o-Terphenyl	69	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	Interlab_D	Soil	306188-2	20220914__QA02ST		14/09/2022	Surrogate p-Terphenyl-d14	62	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	Interlab_D	Soil	306188-2	20220914__QA02ST		14/09/2022	Surrogate o-Terphenyl	69	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	Interlab_D	Soil	306188-2	20220914__QA02ST		14/09/2022	Surrogate TCMX	69	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	Interlab_D	Soil	306188-2	20220914__QA02ST		14/09/2022	Surrogate TCMX	69	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	LCS	Soil	306188LCS-13				Surrogate p-Terphenyl-d14	64	%				
ENVIROLAB 2022-09-22T00:00:00	306342	306342	Interlab_D	Soil	306342-4	20220915__QA02LW		15/09/2022	Surrogate o-Terphenyl	69	%				
ENVIROLAB 2022-10-21T00:00:00	308670	308670	Interlab_D	Soil	308670-2	QA20221021-2	2.000	21/10/2022	Surrogate p-Terphenyl-d14	66	%				
ENVIROLAB 2022-09-20T00:00:00	306188	306188	MB	Soil	BLANK306188				Surrogate p-Terphenyl-d14	67	%				
933736	933736	933736	Normal	Soil	S22-Oc0043383	TP245_0-0.1	TP2450.00(	18/10/2022	4-Bromofluorobenzene (surr.)	52	%	50	150		
933736	933736	933736	Normal	Soil	S22-Oc0043388	TP248_0-0.2	TP2480.00(	18/10/2022	2-Fluorobiphenyl (surr.)	69	%	30	130		
933736	933736	933736	Normal	Soil	S22-Oc0043390	TP259_0-0.1	TP2590.00(	18/10/2022	2-Fluorobiphenyl (surr.)	66	%	30	130		
933736	933736	933736	Normal	Soil	S22-Oc0043390	TP259_0-0.1	TP2590.00(	18/10/2022	Tetrachloro-m-xylene (surr.)	65	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043391	TP253_0-0.1	TP2530.00(	18/10/2022	2-Fluorobiphenyl (surr.)	57	%	30	130		
933736	933736	933736	Normal	Soil	S22-Oc0043392	TP254_0-0.1	TP2540.00(	18/10/2022	Dibutylchlorendate (surr.)	131	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043392	TP254_0-0.1	TP2540.00(	18/10/2022	4-Bromofluorobenzene (surr.)	134	%	50	150		
933736	933736	933736	Normal	Soil	S22-Oc0043393	TP255_0-0.1	TP2550.00(	18/10/2022	Dibutylchlorendate (surr.)	144	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043395	TP086_0-0.1	TP0860.00(	18/10/2022	Triphenylphosphate (surr.)	148	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043395	TP086_0-0.1	TP0860.00(	18/10/2022	Dibutylchlorendate (surr.)	147	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043395	TP086_0-0.1	TP0860.00(	18/10/2022	4-Bromofluorobenzene (surr.)	63	%	50	150		
933736	933736	933736	Normal	Soil	S22-Oc0043398	TP252_0-0.1	TP2520.00(	18/10/2022	Triphenylphosphate (surr.)	142	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043398	TP252_0-0.1	TP2520.00(	18/10/2022	Dibutylchlorendate (surr.)	137	%	70	130		
933736	933736	933736	Normal	Soil	S22-Oc0043399	TP071_0-0.1	TP0710.00(	18/10/2022	2-Fluorobiphenyl (surr.)	62	%	30	130		
933736	933736	933736	Field_D	Soil	S22-Oc0043400	QC2-20221018	TP254	18/10/2022	Warfarin (surr.)	131	%	50	150		
934173	934173	934173	Normal	Soil	S22-Oc0047240	TP055_0.0-0.1	TP0550.00(	19/10/2022	p-Terphenyl-d14 (surr.)	138	%	30	130		
934173	934173	934173	Normal	Soil	S22-Oc0047241	TP070_0.0-0.1	TP0700.00(	19/10/2022	p-Terphenyl-d14 (surr.)	140	%	30	130		
934173	934173	934173	Normal	Soil	S22-Oc0047243	TP085_0.0-0.1	TP0850.00(	19/10/2022	Dibutylchlorendate (surr.)	69	%	70	130		
934173	934173	934173	Normal	Soil	S22-Oc0047243	TP085_0.0-0.1	TP0850.00(	19/10/2022	2-Fluorobiphenyl (surr.)	68	%	30	130		
934431	934431	934431	Normal	Water	S22-Oc0049024	GW01	GW01	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Normal	Water	S22-Oc0049025	GW02	GW02	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Normal	Water	S22-Oc0049026	GW03	GW03	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Normal	Water	S22-Oc0049027	GW04	GW04	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Normal	Water	S22-Oc0049028	GW05	GW05	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Rinsate	Water	S22-Oc0049029	RINSATE	RINSATE	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934431	934431	934431	Field_D	Water	S22-Oc0049030	QC-20221019	GW04	19/10/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130		INT
934517	934517	934517	Normal	Soil	S22-Oc0049948	TP237_0_0.1	TP2370.00(	21/10/2022	Warfarin (surr.)	-999	%	50	150		int
934517	934517	934517	Normal	Soil	S22-Oc0049949	TP014_0_0.1	TP0140.00(	21/10/2022	Warfarin (surr.)	-999	%	50	150		int
934517	934517	934517	Normal	Soil	S22-Oc0049950	TP028_0_0.1	TP0280.00(	21/10/2022	p-Terphenyl-d14 (surr.)	134	%	30	130		
934517	934517	934517	Normal	Soil	S22-Oc0049950	TP028_0_0.1	TP0280.00(	21/10/2022	Warfarin (surr.)	-999	%	50	150		int
934517	934517	934517	Normal	Soil	S22-Oc0049960	TP056_0_0.1	TP0560.00(	21/10/2022	Warfarin (surr.)	63	%	50	150		
934517	934517	934517	Field_D	Soil	S22-Oc0049962	QC20221021_2	TP015	21/10/2022	Warfarin (surr.)	67	%	50	150		
934545	934545	934545	Normal	Soil	S22-Oc0050244	TP227_0_0.1	TP2270.00(	20/10/2022	2-Fluorobiphenyl (surr.)	59	%	30	130		
934545	934545	934545	Field_D	Soil	S22-Oc0050249	QC01_20221020	TP229	20/10/2022	Dibutylchlorendate (surr.)	68	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050250	TP267_0_0.1	TP2670.00(	20/10/2022	Dibutylchlorendate (surr.)	67	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050250	TP267_0_0.1	TP2670.00(	20/10/2022	Warfarin (surr.)	154	%	50	150		The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
934545	934545	934545	Normal	Soil	S22-Oc0050251	TP189_0_0.1	TP1890.00(	20/10/2022	Dibutylchlorendate (surr.)	67	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050252	TP152_0_0.1	TP1520.00(	20/10/2022	Dibutylchlorendate (surr.)	66	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050253	TP258_0_0.1	TP2580.00(	20/10/2022	Dibutylchlorendate (surr.)	67	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050255	TP172_0_0.1	TP1720.00(	20/10/2022	Dibutylchlorendate (surr.)	65	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050256	TP162_0_0.1	TP1620.00(	20/10/2022	Dibutylchlorendate (surr.)	66	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050256	TP162_0_0.1	TP1620.00(	20/10/2022	Warfarin (surr.)	153	%	50	150		The Surrogate recovery is outside of the recommended acceptance criteria due to matrix interference. Acceptance criteria were met for all other QC
934545	934545	934545	Normal	Soil	S22-Oc0050257	TP268_0_0.1	TP2680.00(	20/10/2022	Dibutylchlorendate (surr.)	65	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050258	TP264_0_0.1	TP2640.00(	20/10/2022	Dibutylchlorendate (surr.)	68	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050259	TP260_0_0.1	TP2600.00(	20/10/2022	Dibutylchlorendate (surr.)	64	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050262	TP251_0_0.1	TP2510.00(	20/10/2022	Dibutylchlorendate (surr.)	54	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050262	TP251_0_0.1	TP2510.00(	20/10/2022	Tetrachloro-m-xylene (surr.)	69	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050263	TP269_0_0.1	TP2690.00(	20/10/2022	Triphenylphosphate (surr.)	68	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050263	TP269_0_0.1	TP2690.00(	20/10/2022	Warfarin (surr.)	136	%	50	150		
934545	934545	934545	Normal	Soil	S22-Oc0050267	TP188_0_0.1	TP1880.00(	20/10/2022	Triphenylphosphate (surr.)	69	%	70	130		
934545	934545	934545	Normal	Soil	S22-Oc0050269	TP218_0_0.1	TP2180.00(	20/10/2022	Warfarin (surr.)	138	%	50	150		
936584	936584	936584	Normal	Soil	S22-Oc0066695	TP244_0-0.1	TP2440.00(	19/10/2022	p-Terphenyl-d14 (surr.)	69	%	30	130		
923050	923050	923050	Normal	Soil	S22-Se0027724	TP178_0.0-0.1	TP1780.00(	12/09/2022	Dibutylchlorendate (surr.)	137	%	70	130		
923050	923050	923050	Normal	Soil	S22-Se0027725	TP171_0.0-0.1	TP1710.00(	12/09/2022	Toluene-d8 (surr.)	67	%	70	130		
923050	923050	923050	Normal	Soil	S22-Se0027744	TP096_0.3-0.4	TP0960.30(	12/09/2022	Toluene-d8 (surr.)	54	%	70	130		
923050	923050	923050	Normal	Soil	S22-Se0027754	TP160_0.0-0.1	TP1600.00(	12/09/2022	Warfarin (surr.)	149	%	50	150		
923050	923050	923050	Field_D	Soil	S22-Se0027761	20220912_QC05	TP086	12/09/2022	Dibutylchlorendate (surr.)	66	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031588	TP062_0.3-0.4	TP0620.30(	13/09/2022	Dibutylchlorendate (surr.)	150	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031591	TP038_0.0-0.1	TP0380.00(	13/09/2022	Dibutylchlorendate (surr.)	136	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031595	TP048_0.0-0.1	TP0480.00(	13/09/2022	Dibutylchlorendate (surr.)	133	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031596	TP034_0.0-0.1	TP0340.00(	13/09/2022	Dibutylchlorendate (surr.)	141	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031596	TP034_0.0-0.1	TP0340.00(	13/09/2022	Tetrachloro-m-xylene (surr.)	133	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031599	TP063_0.0-0.1	TP0630.00(	13/09/2022	Dibutylchlorendate (surr.)	137	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031603	TP094_0.0-0.1	TP0940.00(	13/09/2022	Tetrachloro-m-xylene (surr.)	137	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031604	TP079_0.0-0.1	TP0790.00(	13/09/2022	Warfarin (surr.)	69	%	50	150		
923582	923582	923582	Normal	Soil	S22-Se0031605	TP064_0.0-0.1	TP0640.00(	13/09/2022	Dibutylchlorendate (surr.)	144	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031608	TP049_0.0-0.1	TP0490.00(	13/09/2022	Dibutylchlorendate (surr.)	136	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031614	TP005_0.0-0.1	TP0050.00(	13/09/2022	Toluene-d8 (surr.)	59	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031614	TP005_0.0-0.1	TP0050.00(	13/09/2022	4-Bromofluorobenzene (surr.)	58	%	50	150		
923582	923582	923582	Normal	Soil	S22-Se0031616	TP051_0.0-0.1	TP0510.00(	13/09/2022	Dibutylchlorendate (surr.)	141	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031618	TP024_0.0-0.1	TP0240.00(	13/09/2022	Dibutylchlorendate (surr.)	148	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031625	TP010_0.0-0.1	TP0100.00(	13/09/2022	p-Terphenyl-d14 (surr.)	134	%	30	130		
923582	923582	923582	Normal	Soil	S22-Se0031629	TP065_0.0-0.1	TP0650.00(	13/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130		INT
923582	923582	923582	Normal	Soil	S22-Se0031630	TP080_0.0-0.1	TP0800.00(	13/09/2022	Triphenylphosphate (surr.)	60	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031631	TP095_0.0-0.1	TP0950.00(	13/09/2022	Triphenylphosphate (surr.)	69	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031636	TP116_0.0-0.1	TP1160.00(	13/09/2022	Warfarin (surr.)	63	%	50	150		
923582	923582	923582	Normal	Soil	S22-Se0031637	TP104_0.0-0.1	TP1040.00(	13/09/2022	Triphenylphosphate (surr.)	62	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031637	TP104_0.0-0.1	TP1040.00(	13/09/2022	Dibutylchlorendate (surr.)	66	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031638	TP105_0.0-0.1	TP1050.00(	13/09/2022	Triphenylphosphate (surr.)	56	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031638	TP105_0.0-0.1	TP1050.00(	13/09/2022	4-Bromofluorobenzene (surr.)	149	%	50	150		
923582	923582	923582	Normal	Soil	S22-Se0031641	TP106_0.0-0.1	TP1060.00(	13/09/2022	Dibutylchlorendate (surr.)	55	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031644	TP149_0.0-0.1	TP1490.00(	13/09/2022	Triphenylphosphate (surr.)	-999	%	70	130		INT
923582	923582	923582	Normal	Soil	S22-Se0031644	TP149_0.0-0.1	TP1490.00(	13/09/2022	p-Terphenyl-d14 (surr.)	61	%	30	130		
923582	923582	923582	Normal	Soil	S22-Se0031644	TP149_0.0-0.1	TP1490.00(	13/09/2022	Dibutylchlorendate (surr.)	58	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031644	TP149_0.0-0.1	TP1490.00(	13/09/2022	2-Fluorobiphenyl (surr.)	62	%	30	130		
923582	923582	923582	Normal	Soil	S22-Se0031644	TP149_0.0-0.1	TP1490.00(	13/09/2022	Tetrachloro-m-xylene (surr.)	60	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031645	TP159_0.0-0.1	TP1590.00(	13/09/2022	Triphenylphosphate (surr.)	-999	%	70	130		INT
923582	923582	923582	Normal	Soil	S22-Se0031645	TP159_0.0-0.1	TP1590.00(	13/09/2022	p-Terphenyl-d14 (surr.)	59	%	30	130		
923582	923582	923582	Normal	Soil	S22-Se0031645	TP159_0.0-0.1	TP1590.00(	13/09/2022	Dibutylchlorendate (surr.)	58	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031645	TP159_0.0-0.1	TP1590.00(	13/09/2022	2-Fluorobiphenyl (surr.)	57	%	30	130		
923582	923582	923582	Normal	Soil	S22-Se0031645	TP159_0.0-0.1	TP1590.00(	13/09/2022	Tetrachloro-m-xylene (surr.)	64	%	70	130		
923582	923582	923582	Normal	Soil	S22-Se0031647	TP169_0.0-0.1	TP1690.00(	13/09/2022	Triphenylphosphate (surr.)	68	%	70	130		
923582	923582	923582	Field_D	Soil	S22-Se0031658	20220913_QC07	TP049	13/09/2022	Warfarin (surr.)	69	%	50	150		
924697	924697	924697	Normal	Soil	S22-Se0040697	TP019_0-0.1	TP0190.00(	14/09/2022	p-Terphenyl-d14 (surr.)	66	%	30	130		
924697	924697	924697	Normal	Soil	S22-Se0040700	TP046_0-0.1	TP0460.00(	14/09/2022	Triphenylphosphate (surr.)	63	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040700	TP046_0-0.1	TP0460.00(	14/09/2022	Dibutylchlorendate (surr.)	67	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040703	TP076_0-0.1	TP0760.00(	14/09/2022	Triphenylphosphate (surr.)	52	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040703	TP076_0-0.1	TP0760.00(	14/09/2022	Dibutylchlorendate (surr.)	58	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040704	TP091_0-0.1	TP0910.00(	14/09/2022	Triphenylphosphate (surr.)	66	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040704	TP091_0-0.1	TP0910.00(	14/09/2022	Dibutylchlorendate (surr.)	63	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040705	TP091_0.3-0.4	TP0910.30(	14/09/2022	Triphenylphosphate (surr.)	65	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040705	TP091_0.3-0.4	TP0910.30(	14/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130		INT
924697	924697	924697	Normal	Soil	S22-Se0040712	TP114_0-0.1	TP1140.00(	14/09/2022	Tetrachloro-m-xylene (surr.)	136	%	70	130		
924697	924697	924697	Normal	Soil	S22-Se0040714	TP184_0-0.1	TP1840.00(	14/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130		INT

924697	924697	924697	Normal	Soil	S22-Se0040714	TP184_0-0.1	TP1840.000	14/09/2022	2-Fluorobiphenyl (surr.)	138	%	30	130	
924697	924697	924697	Normal	Soil	S22-Se0040714	TP184_0-0.1	TP1840.000	14/09/2022	Tetrachloro-m-xylene (surr.)	137	%	70	130	
924697	924697	924697	Normal	Soil	S22-Se0040715	TP175_0-0.1	TP1750.000	14/09/2022	Dibutylchlorendate (surr.)	144	%	70	130	
924697	924697	924697	Normal	Soil	S22-Se0040716	TP168_0-0.1	TP1680.000	14/09/2022	Dibutylchlorendate (surr.)	137	%	70	130	
924697	924697	924697	Normal	Soil	S22-Se0040717	TP158_0-0.1	TP1580.000	14/09/2022	2-Fluorobiphenyl (surr.)	146	%	30	130	
924697	924697	924697	Normal	Soil	S22-Se0040717	TP158_0-0.1	TP1580.000	14/09/2022	4-Bromofluorobenzene (surr.)	4.5	%	50	150	
924697	924697	924697	Normal	Soil	S22-Se0040724	TP157_0-0.1	TP1570.000	14/09/2022	Dibutylchlorendate (surr.)	65	%	70	130	
924697	924697	924697	Normal	Soil	S22-Se0040728	TP198_0-0.1	TP1980.000	14/09/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130	INT
924697	924697	924697	Normal	Soil	S22-Se0040730	TP103_0-0.1	TP1030.000	14/09/2022	p-Terphenyl-d14 (surr.)	135	%	30	130	
924697	924697	924697	Normal	Soil	S22-Se0040730	TP103_0-0.1	TP1030.000	14/09/2022	Tetrachloro-m-xylene (surr.)	145	%	70	130	
924697	924697	924697	Field_D	Soil	S22-Se0040735	20220914_QC02ST	TP125	14/09/2022	p-Terphenyl-d14 (surr.)	64	%	30	130	
924697	924697	924697	Field_D	Soil	S22-Se0040735	20220914_QC02ST	TP125	14/09/2022	2-Fluorobiphenyl (surr.)	69	%	30	130	
924697	924697	924697	Field_D	Soil	S22-Se0040735	20220914_QC02ST	TP125	14/09/2022	Tetrachloro-m-xylene (surr.)	69	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040884	TP089_0.0-0.1	TP0890.000	15/09/2022	4-Bromofluorobenzene (surr.)	59	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040885	TP102_0.3-0.4	TP1020.300	15/09/2022	4-Bromofluorobenzene (surr.)	60	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040887	TP123_0.0-0.1	TP1230.000	15/09/2022	p-Terphenyl-d14 (surr.)	63	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040887	TP123_0.0-0.1	TP1230.000	15/09/2022	4-Bromofluorobenzene (surr.)	56	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040887	TP123_0.0-0.1	TP1230.000	15/09/2022	Tetrachloro-m-xylene (surr.)	67	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040888	TP123_0.4-0.5	TP1230.400	15/09/2022	4-Bromofluorobenzene (surr.)	61	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040891	TP088_0.0-0.1	TP0880.000	15/09/2022	4-Bromofluorobenzene (surr.)	55	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040891	TP088_0.0-0.1	TP0880.000	15/09/2022	Tetrachloro-m-xylene (surr.)	68	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040893	TP044_0.0-0.1	TP0440.000	15/09/2022	p-Terphenyl-d14 (surr.)	69	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040893	TP044_0.0-0.1	TP0440.000	15/09/2022	4-Bromofluorobenzene (surr.)	60	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040894	TP044_0.5-0.6	TP0440.500	15/09/2022	p-Terphenyl-d14 (surr.)	69	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040897	TP133_0.0-0.1	TP1330.000	15/09/2022	p-Terphenyl-d14 (surr.)	67	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040897	TP133_0.0-0.1	TP1330.000	15/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040897	TP133_0.0-0.1	TP1330.000	15/09/2022	4-Bromofluorobenzene (surr.)	64	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040898	TP133_0.4-0.5	TP1330.400	15/09/2022	p-Terphenyl-d14 (surr.)	147	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040898	TP133_0.4-0.5	TP1330.400	15/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040898	TP133_0.4-0.5	TP1330.400	15/09/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040898	TP133_0.4-0.5	TP1330.400	15/09/2022	4-Bromofluorobenzene (surr.)	62	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040898	TP133_0.4-0.5	TP1330.400	15/09/2022	Tetrachloro-m-xylene (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040903	SP06-03	SP06-033.0	15/09/2022	Triphenylphosphate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040903	SP06-03	SP06-033.0	15/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040903	SP06-03	SP06-033.0	15/09/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040903	SP06-03	SP06-033.0	15/09/2022	4-Bromofluorobenzene (surr.)	63	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040903	SP06-03	SP06-033.0	15/09/2022	Tetrachloro-m-xylene (surr.)	136	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040904	SP06-04	SP06-044.0	15/09/2022	Triphenylphosphate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040904	SP06-04	SP06-044.0	15/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040904	SP06-04	SP06-044.0	15/09/2022	2-Fluorobiphenyl (surr.)	-999	%	30	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040904	SP06-04	SP06-044.0	15/09/2022	4-Bromofluorobenzene (surr.)	63	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040904	SP06-04	SP06-044.0	15/09/2022	Tetrachloro-m-xylene (surr.)	-999	%	70	130	INT
924719	924719	924719	Normal	Soil	S22-Se0040905	SP06-05	SP06-055.0	15/09/2022	4-Bromofluorobenzene (surr.)	64	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040906	SP06-06	SP06-066.0	15/09/2022	4-Bromofluorobenzene (surr.)	64	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040911	SP04-01	SP04-011.0	15/09/2022	Dibutylchlorendate (surr.)	54	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040918	SP03-05	SP03-055.0	15/09/2022	4-Bromofluorobenzene (surr.)	64	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040919	SP03-06	SP03-066.0	15/09/2022	4-Bromofluorobenzene (surr.)	67	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040920	SP02-01	SP02-011.0	15/09/2022	Phenol-d6 (surr.)	137	%	20	130	
924719	924719	924719	Normal	Soil	S22-Se0040920	SP02-01	SP02-011.0	15/09/2022	p-Terphenyl-d14 (surr.)	66	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040920	SP02-01	SP02-011.0	15/09/2022	Tetrachloro-m-xylene (surr.)	69	%	70	130	
924719	924719	924719	Normal	Soil	S22-Se0040921	SP02-02	SP02-022.0	15/09/2022	p-Terphenyl-d14 (surr.)	64	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040922	SP02-03	SP02-033.0	15/09/2022	p-Terphenyl-d14 (surr.)	63	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040923	SP01-01	SP01-011.0	15/09/2022	Phenol-d6 (surr.)	146	%	20	130	
924719	924719	924719	Normal	Soil	S22-Se0040923	SP01-01	SP01-011.0	15/09/2022	p-Terphenyl-d14 (surr.)	68	%	30	130	
924719	924719	924719	Normal	Soil	S22-Se0040925	TP225_0.0-0.1	TP2250.000	15/09/2022	4-Bromofluorobenzene (surr.)	58	%	50	150	
924719	924719	924719	Normal	Soil	S22-Se0040932	TP194_0.0-0.1	TP1940.000	15/09/2022	4-Bromofluorobenzene (surr.)	68	%	50	150	
924719	924719	924719	Field_D	Soil	S22-Se0040945	20220915_QC01LW	TP225	15/09/2022	4-Bromofluorobenzene (surr.)	62	%	50	150	
924721	924721	924721	Normal	Soil	S22-Se0041038	TP265_0-0.1	TP2650.000	16/09/2022	4-Bromofluorobenzene (surr.)	55	%	50	150	
924721	924721	924721	Normal	Soil	S22-Se0041055	TP272_0.3-0.4	TP2720.300	16/09/2022	4-Bromofluorobenzene (surr.)	53	%	50	150	
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	Triphenylphosphate (surr.)	148	%	70	130	
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	Phenol-d6 (surr.)	-999	%	20	130	INT
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	p-Terphenyl-d14 (surr.)	140	%	30	130	
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	2-Fluorobiphenyl (surr.)	131	%	30	130	
924721	924721	924721	Normal	Soil	S22-Se0041081	SP05_02	SP052.000	16/09/2022	Tetrachloro-m-xylene (surr.)	142	%	70	130	
924721	924721	924721	Field_D	Soil	S22-Se0041083	20220916_QC01ST	TP039	16/09/2022	Dibutylchlorendate (surr.)	-999	%	70	130	INT
925644	925644	925644	Normal	Water	S22-Se0048563	SW02	SW02	20/09/2022	2-Fluorobiphenyl (surr.)	66	%	30	130	
925644	925644	925644	Normal	Water	S22-Se0048564	SW03	SW03	20/09/2022	2-Fluorobiphenyl (surr.)	68	%	30	130	
925644	925644	925644	Normal	Water	S22-Se0048567	SW06	SW06	20/09/2022	p-Terphenyl-d14 (surr.)	131	%	30	130	
925644	925644	925644	Rinsate	Water	S22-Se0048568	RINSATE	RINSATE	20/09/2022	p-Terphenyl-d14 (surr.)	141	%	30	130	
ENVIROLAB 2022-10-26T00:00:00	308895	308895	LCS	Water	W308895LCS-W1				Surrogate p-Terphenyl-d14	66	%			

Contents

Laboratory Control Samples, Error > 30%

SDG	Matrix_Type	SampleCode	Method_Name	OriginalChemName	Recovery %	Unit	Result_Type	LCL	UCL	Lab_Comments
ENVIROLAB 2022-09-14T00:00:00	Soil	305715LCS-15	Ext-054 - Analysed by MPL	2,4-D	60	%	REG			
ENVIROLAB 2022-09-20T00:00:00	Soil	306188LCS-13	Org-022/025 - PAHs in soils	Surrogate p-Terphenyl-d14	64	%	SUR			
ENVIROLAB 2022-10-20T00:00:00	Soil	308457LCS-1	Org-022/025 - SVOC in waters and soil	Chlorpyriphos	132	%	REG			
ENVIROLAB 2022-10-20T00:00:00	Soil	308457LCS-1	Org-022/025 - SVOC in waters and soil	Aldrin	134	%	REG			
ENVIROLAB 2022-10-21T00:00:00	Soil	308670LCS-5	Org-022/025 - SVOC in waters and soil	Ronnel	132	%	REG			
ENVIROLAB 2022-10-21T00:00:00	Soil	308670LCS-5	Org-022/025 - SVOC in waters and soil	Dichlorvos	135	%	REG			
ENVIROLAB 2022-10-21T00:00:00	Soil	308670LCS-5	Org-020 - Semi-volatile TRH in waters and s	TRH C10 - C14	132	%	REG			
ENVIROLAB 2022-10-21T00:00:00	Soil	308670LCS-5	Org-020 - Semi-volatile TRH in waters and s	TRH >C10-C16	132	%	REG			
923050	Soil	LCS_14_923050	LTM-ORG-2130 PAH and Phenols in Soil an	2-Cyclohexyl-4.6-dinitrophenol	32	%	REG			
924719	Soil	LCS_7_924719	USEPA 8270 Semivolatile Organics	2-Methyl-4.6-dinitrophenol	59	%	REG			
ENVIROLAB 2022-10-26T00:00:00	Water	W308895LCS-W1	Org-022/025 - PAHs in waters	Surrogate p-Terphenyl-d14	66	%	SUR			

Contents

Matrix Spike Recoveries less than 70% or greater than 130% or outside lab LCL or UCL

SDG	Lab_Report_Number	Matrix_Type	SampleCode	Field_ID	Depth	Sampled_Date_Time	Method_Name	Compound	Recovery %	Result_Type	Lab_Comments
934517	934517	Soil	NCP_Oc0042958_934517-SPK			21/10/2022	LTM-ORG-2130 PAH and Phenols in Soil and Water	Phenanthrene	41	SC	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.
924721	924721	Soil	NCP_Se0032247_924721-SPK			16/09/2022	LTM-ORG-2220 OCP & PCB in Soil and Water	b-HCH	64	SC	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.
923050	923050	Soil	S22-Se0027727-SPK	TP161_0.0-0.1	TP1610.000 - 0.100	12/09/2022	LTM-ORG-2220 OCP & PCB in Soil and Water	g-HCH (Lindane)	135	SC	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.
924719	924719	Soil	S22-Se0040911-SPK	SP04-01	SP04-011.000	15/09/2022	LTM-ORG-2220 OCP & PCB in Soil and Water	Endosulfan sulphate	69	SC	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.
924719	924719	Soil	S22-Se0040911-SPK	SP04-01	SP04-011.000	15/09/2022	LTM-ORG-2220 OCP & PCB in Soil and Water	b-HCH	66	SC	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.

RPD
Project Number: 62343
Project Name: Guntawong Road (DGA)

Field Duplicates (Soil)
Filter: SDG in('1039089','1038740')

Chem_Group	ChemName	Units	EQL	SDG	1039089	1038740		1038740	1038740		1039089	1039089	
				Field ID	PP01A-0.2-0.3	QA02	RPD	TP197B 0-0.1	QA01	RPD	TP071A-0.0-0.1	QA01-231026	RPD
				Sampled Date/Time	26/10/2023	26/10/2023		24/10/2023	24/10/2023		26/10/2023	26/10/2023	
Metals & Metalloids	Arsenic	mg/kg	2 : 4 (Interlab)		8.6	8.8	2						
	Cadmium	mg/kg	0.4		<0.4	<0.4	0						
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)		18	18	0						
	Copper	mg/kg	5 : 1 (Interlab)		9.1	11	19						
	Lead	mg/kg	5 : 1 (Interlab)		21	26	21	**360**	**1100**	**101**	22	22	0
	Mercury	mg/kg	0.1		<0.1	<0.1	0						
	Nickel	mg/kg	5 : 1 (Interlab)		5	5.7	13						
	Zinc	mg/kg	5 : 1 (Interlab)		32	51	46						
TPHs (NEPC 1999)	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)		<20	<20	0						
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)		<20	22	10						
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)		<50	59	17						
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)		<50	61	20						
	C10-C36 Fraction (Sum of Total)	mg/kg	50		**<50**	**142**	**96**						
TRHs (NEPC 2013)	C6-C10	mg/kg	20 : 25 (Interlab)		<20	<20	0						
	C10-C16	mg/kg	50		<50	<50	0						
	C16-C34	mg/kg	100		<100	100	0						
	C34-C40	mg/kg	100		<100	<100	0						
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)		<100	100	0						
	F1 (C6-C10 minus BTEX)	mg/kg	20		<20	<20	0						
	F2 (C10-C16 less Naphthalene)	mg/kg	50		<50	<50	0						
BTEXN	Naphthalene_VOC	mg/kg	0.5		<0.5	<0.5	0						
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)		<0.5	<0.5	0						
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5		1.2	1.2	0						
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5		0.6	0.6	0						
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5		<0.5	<0.5	0						
	Benzo(b+j)fluoranthene	mg/kg	0.5		<0.5	<0.5	0						
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Benzo(k)fluoranthene	mg/kg	0.5		<0.5	<0.5	0						
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)		<0.5	<0.5	0						
	PAHs (Sum of total)	mg/kg	0.5		<0.5	<0.5	0						
Organochlorine Pesticides	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Aldrin + Dieldrin	mg/kg	0.05		<0.05	<0.5	0						
	Chlordane	mg/kg	0.1		<0.1	<1	0						
	DDT	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	DDD	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endrin	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Endrin ketone	mg/kg	0.05		<0.05	<0.5	0						
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
	Toxaphene	mg/kg	0.5		<0.5	<10	0						
Chlorinated Benzenes	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)		<0.05	<0.5	0						
EPA VIC - IWRG621	Organochlorine Pesticides EPAVic	mg/kg	0.1		<0.1	<1	0						
	Other Organochlorine Pesticides EPAVic	mg/kg	0.1		<0.1	<1	0						
Other	Moisture Content (dried @ 103°C)	%	1		6.4	6.1	5	11	13	17	8.3	8.2	1

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (1-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))
***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

RPD
Project Number: 62343
Project Name: Guntawong Road (DGA)

Field Duplicates (Soil)
Filter: SDG in('1039089','1038740')

SDG	1038740	ENVIROLAB		1038740	ENVIROLAB		1039089	ENVIROLAB	
Field ID	PP01_A 0-0.1	QC02	**RPD**	TP197B 0-0.1	QC01	**RPD**	TP071A-0.0-0.1	QC01_20231026	**RPD**
Sampled Date/Time	24/10/2023	24/10/2023		24/10/2023	24/10/2023		26/10/2023	26/10/2023	
Chem_Group	**ChemName**	**Units**	**EQL**									
Metals & Metalloids	Arsenic	mg/kg	2 : 4 (Interlab)	9.6	8	18						
	Cadmium	mg/kg	0.4	<0.4	<0.4	0						
	Chromium (III+VI)	mg/kg	5 : 1 (Interlab)	20	14	35						
	Copper	mg/kg	5 : 1 (Interlab)	12	9	29						
	Lead	mg/kg	5 : 1 (Interlab)	26	22	17	360	390	8	22	20	10
	Mercury	mg/kg	0.1	<0.1	<0.1	0						
	Nickel	mg/kg	5 : 1 (Interlab)	5.7	4	35						
	Zinc	mg/kg	5 : 1 (Interlab)	55	36	42						
TPHs (NEPC 1999)	C6-C9 Fraction	mg/kg	20 : 25 (Interlab)	<20	<25	0						
	C10-C14 Fraction	mg/kg	20 : 50 (Interlab)	<20	<50	0						
	C15-C28 Fraction	mg/kg	50 : 100 (Interlab)	<50	<100	0						
	C29-C36 Fraction	mg/kg	50 : 100 (Interlab)	<50	<100	0						
	C10-C36 Fraction (Sum of Total)	mg/kg	50	<50	<50	0						
TRHs (NEPC 2013)	C6-C10	mg/kg	20 : 25 (Interlab)	<20	<25	0						
	C10-C16	mg/kg	50	<50	<50	0						
	C16-C34	mg/kg	100	<100	<100	0						
	C34-C40	mg/kg	100	<100	<100	0						
	C10-C40 (Sum of total)	mg/kg	100 : 50 (Interlab)	<100	<50	0						
	F1 (C6-C10 minus BTEX)	mg/kg	20									
	F2 (C10-C16 less Naphthalene)	mg/kg	50									
BTEXN	Naphthalene_VOC	mg/kg	0.5									
PAH	Acenaphthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Acenaphthylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Benz(a)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Benzo(a)pyrene	mg/kg	0.5 : 0.05 (Interlab)	<0.5	<0.05	0						
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	**1.2**	**<0.5**	**82**						
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	<0.5	18						
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0						
	Benzo(b+j)fluoranthene	mg/kg	0.5									
	Benzo(g,h,i)perylene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Benzo(k)fluoranthene	mg/kg	0.5									
	Chrysene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Dibenz(a,h)anthracene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Fluoranthene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Fluorene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Naphthalene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Phenanthrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	Pyrene	mg/kg	0.5 : 0.1 (Interlab)	<0.5	<0.1	0						
	PAHs (Sum of total)	mg/kg	0.5									
Organochlorine Pesticides	4,4-DDE	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	a-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	b-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	d-BHC	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	g-BHC (Lindane)	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Aldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Dieldrin	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Aldrin + Dieldrin	mg/kg	0.05									
	Chlordane	mg/kg	0.1									
	DDT	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	DDT+DDE+DDD	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endosulfan I	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endosulfan II	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endosulfan sulphate	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endrin	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endrin aldehyde	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Endrin ketone	mg/kg	0.05									
	Heptachlor	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Heptachlor Epoxide	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Methoxychlor	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
	Toxaphene	mg/kg	0.5									
Chlorinated Benzenes	Hexachlorobenzene	mg/kg	0.05 : 0.1 (Interlab)	<0.5	<0.1	0						
EPA VIC - IWRG621	Organochlorine Pesticides EPAVic	mg/kg	0.1									
	Other Organochlorine Pesticides EPAVic	mg/kg	0.1									
Other	Moisture Content (dried @ 103°C)	%	1				11			8.3		

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (1-10 x EQL); 50 (10-30 x EQL); 50 (> 3
***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in

Appendix M Calibration and Decontamination Records

©JBS&G Australia Pty Ltd

CALIBRATION CERTIFICATE

Date of Calibration: - 1st October 2021

Certificate Number: - 257736

Calibrated by: - J Rouse

Signed: -

Customer: - GasTech Australia Pty Ltd

Description: - Tiger^{LT}

Manufacturer: - ION Science Ltd

Type Number: - N/A

Serial Number: - T-118372

Service Due date: - October 2022

This instrument has been factory calibrated to fully documented procedures in accordance with our ISO 9001:2015 Quality Management System.
Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to National or International standards. The following list indicates the serial numbers of equipment used during the calibration procedure.

BAR02	C90541 / A13382[1]	C9563 / A13039[1]			

[1] Gas mixtures prepared using equipment traceable to N.P.L. standards against Suppliers Certificate No.

The instrument has been calibrated at a temperature of 23.0°C ± 0.25°C and a barometric pressure of 1004.1 mbar ± 2 mbar.

ION Science hereby certify that on the day of calibration the instrument was working according to the manufacturer's original sales specification as checked by the calibration procedure, unless otherwise stated.
Copies of this certificate may only be reproduced in full.
Calibrations are valid as certified only on date of Calibration. For correct instrument operation please see the User Manual.

RESULTS ON DESPATCH

Applied Concentration	Instrument Indication
100.4 ppm Isobutylene	99.9 ppm Isobutylene
4913.9 ppm Isobutylene	4881 ppm Isobutylene

The estimated applied gas uncertainty is ± 2.0%

Comments: -

PD-FM-115-05

ION Science Ltd, The Hive, Butts Lane, Fowlmere, Cambs, SG8 7SL, UK
T +44 (0)1763 208503 E info@ionscience.com W ionscience.com

Calibration Certificate

Manufacturer:	Ion Science
Unit Model:	Tiger

Customer:
JBS&G

Service Number:	331682981
Serial Number:	T-118372
Unit Number:	157411
Job Number:	GO 97847
Date Serviced:	18-Oct-21
Customer Ref:	

gastech

info@gastech.com
Tel:+61 8 6108 0000
Fax:+61 8 9408 1868

24 Baretta Rd
WANGARA WA 6065
ABN 64 087 801 634

Warranty Claim Procedure:
Return unit freight pre-paid for warranty repairs.

If Unit Number is removed, warranty claims must be accompanied by last Calibration Certificate.

Next Service: 18-Oct-22

Unit Report

Condition received: New

Comments on receiving unit
New Ion Science Tiger PID Analyser.

Comments on completing unit
Initial Setup and Calibration.
Post Cal response checked ok.
Tested and Checked all functions ok.

Functional Tests

Alarm operation:	Checked	**Display operation:**	Checked
CircuitBoard:	Checked	**Battery test:**	Checked

Sensor Report

Test/Calibration: PASSED

Iso -Butylene

Date Cell Fitted	Cell Number
18/10/2021	234210189

Zero:	Set at 0 ppm
Span:	Set at 1000 ppm
Alarm:	50ppm & 100ppm

Certificate Number	Span Gas Concentration
255625	1000 ppm

Iso -Butylene

Date Cell Fitted	Cell Number
18/10/2021	234210189

Zero:	Set at 100 ppm
Span:	Set at 100 ppm
Alarm:	50ppm & 100ppm

Certificate Number	Span Gas Concentration
240061	100ppm

Serviced by: Michael Whisken

M. Whisken
Signature

WORK COMPLETED UNDER A MANAGEMENT SYSTEM conforming to ISO 9001:2015

airmet
Work with Confidence

Calibration Certificate

AirMet Scientific P/L
Level 3, 18-26 Dickson Avenue
Artarmon
NSW 2064, Australia
Tel: 02 8425 8300
Fax: 02 8425 8399

This document certifies that the instrument detailed has been calibrated to the parameters

Certificate Print Date: 10-Jun-2022
Calibration Date: 09-Jun-2022
Next Calibration Due: 6-Dec-2022

Call ID / Order No: 255685
Job No / Pack No: S2556850001

Customer: JBS&G Australia Pty Ltd-ID 202507
Serial No: 19E104118
Description: Xylem ProDSS Handheld, No GPS

Calibration Summary

Frequency: 180 Days **Temp:** 22°C **As Found:** Out of Tolerance **Result:** Pass
Humidity: 45% **Certificate:** S2556850001

Desc	As Found		As Left (Cal Status)	
	Actual	Result	Actual	Result
PH4 pH	4.0	Pass	4.0	Pass
PH7 pH	7.0	Pass	7.0	Pass
EC µS/cm	2757.0	Pass	2760.0	Pass
DO@Zero %	0.1	Pass	0.0	Pass
DO@Air %	99.1	Pass	99.9	Pass
Turbidity@ZERO NTU	0.1	Fail	0.0	Pass
Turbidity@50NTU NTU	48.9	Pass	50.0	Pass
ORP@18.8 °C mV	231.7	Pass	242.6	Pass
Temp °C	18.8	Pass	18.8	Pass

Standard Used			
Equip ID	**Description**	**Valid Until**	**Cert**
SYDTURB_50	50 NTU Standard Turbidity Solution		
SYZobell A	Zobel A: 1/50 mole K3Fe(CN) 6 in 0.1molar KCl	28-12-2022	
SYDO	DO Powder (Sodium Suplphite Solution)	03-07-2024	
01561015	Testo 720 Thermometer	14-04-2023	T_01561015_14042022
SYPH7	pH7 (pH = 7.00 +/- 0.02 @ 25 deg)		
SYZobell B	Zobel B: 1/50 mole K4Fe(CN) 6 in 0.1molar KCl	28-12-2022	
SYFRESHAIR	Ambient Air	29-08-2028	
SYD_DISTILLED WATER	DISTILLED WATER		
SYCOND	Conductivity (2760 µS/cm @ 25 deg)		
SYPH4	pH4 (pH = 4.01 +/- 0.02 @ 25 deg)		

Completed By: Jason Cheng **Signed:**

Calibration and Service Report

EXPERT TESTING SERVICES
ABN: 74 619 717 350
Contact: 02 9730 2019
Email: sales@experttesting.com.au
9/171 Power Street, Glendenning NSW 2761
Web: www.experttesting.com.au

Company:	JBS&G Australia	**Manufacturer:**	Ion Science	**Serial #:**	T-118372
Contact:	Michelle Delandro	**Instrument:**	Phocheck Tiger Select	**Asset #:**	-#09
Address:	Level1, 50 Margaret St, SYDNEY NSW 2000	**Model:**	Tiger	**Part #:**	-
		Configuration:	VOC	**Sold:**	-
Phone:	0417 287 561	**Wireless:**	-	**Last Cal:**	17.10.2022
Fax:		**Network ID:**	-	**Job #:**	102647
Email:	mdelandro@jbsg.com.au	**Unit ID:**	-#09	**Cal Spec:**	Std
				Order #:	TBA

Item	Test	Pass/Fail	Comments	Part Code	S/W
Battery	NiCd, NiMH, Dry cell, Li Ion	✓			
Charger	Charger, Power supply	✓			
	Cradle	✓			
Pump	Flow	✓	>300ml/min		
Filter	Filter, fitting, etc	X	Dirty - replaced		
Alarms	Audible, visual, vibration	✓			
Display	Operation	✓			
Switches	Operation	✓			
PCB	Operation	✓			
Connectors	Condition	✓			
Firmware	Version	✓			
Datalogger	Operation	✓			
Monitor Housing	Condition	✓			
Case	Condition/Type	✓			
Sensors					
PID	Lamp	X	Cleaned		
PID	Sensor	✓			
THP	Sensor	✓			

Engineer's Report

Checked unit settings and configuration – okay
Replaced dirty inlet filter and serviced pump assembly.
Unit allowed to stabilize and zero calibration performed as per manufacturers specifications
Calibration procedure written and performed to manufacturers specification using traceable gases.

Calibration Certificate

Sensor	Type	Serial No:	Span Gas	Concentration	Traceability Lot #	CF	Reading	
							Zero	Span
PID	10.6eV		Isobutylene	100ppm	WO205484		0	100ppm

Calibrated/Repaired by: **Amend Kumar** Date: **17.10.2022** Next Due: **17.04.2023**

GCC ISO 9001 Certified
GCC ISO 14001 Certified
JAS-ANZ
WWW.JAS-ANZ.ORG/REGISTER

Oil / Water Interface Meter

Instrument Interface Meter (30M)
Serial No. 348872

airmet
Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Compartment	✓	
	Capacity	✓	
Probe	Cleaned/Decon.	✓	
	Operation	✓	
Connectors	Condition	✓	
		✓	
Tape Check	Cleaned	✓	
	Checked for cuts	✓	
Instrument Test	At surface level	✓	

Certificate of Calibration

This is to certify that the above instrument has been cleaned and tested.

Calibrated by: Yu Jiang

Calibration date: 19/09/2022

Next calibration due: 18/11/2022

Field Equipment Calibration and Decontamination

PROJECT NAME:	Schofields	**PROJECT NO:**	62343
FIELDWORK DATES:	24/10/23	**SAMPLERS:**	LW
TYPE OF INVESTIGATION:		**PROJECT MANAGER:**	SG

CALIBRATION SUMMARY

EQUIPMENT:
CALIBRATION STANDARD:

DATE	TIME	READING (ppm)	COMMENTS

DECONTAMINATION SUMMARY

EQUIPMENT:				
1	Was the equipment decontaminated appropriately prior to sampling at each location?	(Y)	N	NA
2	Was excess soil removed by scraping, brushing or wiping with disposable towels?	(Y)	N	NA
3	Was the equipment contaminated with grease, tar or similar material?	Y	(N)	NA
	If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y	N	(NA)
4	Was phosphate-free detergent used to wash the equipment?	(Y)	N	NA
5	Was the equipment rinsed with clean water?	(Y)	N	NA
6	Was the equipment then rinsed with deionised water?	(Y)	N	NA
7	Were all sample containers cleaned and acid or solvent washed prior to sample collection?	(Y)	N	NA

WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS

A fresh pair of Nitrile gloves were used to collect each sample.

© 2011-2019 JBS&G Australia Pty Ltd

Field Equipment Calibration and Decontamination

PROJECT NAME: Schofields	PROJECT NO: 62343
FIELDWORK DATES: 26/10	SAMPLERS: LW
TYPE OF INVESTIGATION:	PROJECT MANAGER: SG

CALIBRATION SUMMARY

EQUIPMENT:
CALIBRATION STANDARD:

DATE	TIME	READING (ppm)	COMMENTS

DECONTAMINATION SUMMARY

EQUIPMENT:			
1 Was the equipment decontaminated appropriately prior to sampling at each location?	(Y)	N	NA
2 Was excess soil removed by scraping, brushing or wiping with disposable towels?	(Y)	N	NA
3 Was the equipment contaminated with grease, tar or similar material?	Y	(N)	NA
If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y	N	(NA)
4 Was phosphate-free detergent used to wash the equipment?	(Y)	N	NA
5 Was the equipment rinsed with clean water?	(Y)	N	NA
6 Was the equipment then rinsed with deionised water?	(Y)	N	NA
7 Were all sample containers cleaned and acid or solvent washed prior to sample collection?	(Y)	N	NA

WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS

A fresh pair of Nitrile gloves were used to collect each sample.

© 2011-2019 JBS&G Australia Pty Ltd

airmet
Work with Confidence

Calibration Certificate

AirMet Scientific P/L
Level 3, 18-26 Dickson Avenue
Artarmon
NSW 2064, Australia
Tel: 02 8425 8300
Fax: 02 8425 8399

This document certifies that the instrument detailed has been calibrated to the parameters

Certificate Print Date: 24-Jul-2023
Calibration Date: 24-Jul-2023
Next Calibration Due: 20-Jan-2024

Call ID / Order No: 262617
Job No / Pack No: S2626170001

Customer: JBS&G Australia Pty Ltd-ID 202507
Description: Xylem ProDSS Handheld, No GPS

Serial No: 19E104118

Calibration Summary

Frequency: 180 Days
Temp: 22°C
Humidity: 45%
As Found: Out of Tolerance
Certificate: S2626170001
Result: Pass

Desc	As Found		As Left (Cal Status)	
	Actual	Result	Actual	Result
PH4 pH	4.2	Pass	4.0	Pass
PH7 pH	7.3	Pass	7.0	Pass
EC µS/cm	2755.0	Pass	2760.0	Pass
DO@Zero %	1.1	Fail	0.0	Pass
DO@Air %	98.2	Fail	100.0	Pass
Turbidity@ZERO NTU	1.2	Fail	0.0	Pass
Turbidity@100NTU NTU	96.8	Pass	100.0	Pass
ORP@21.0 °C mV	233.1	Pass	237.8	Pass
Temp °C	20.2	Pass	21.0	Pass

Standard Used			
Equip ID	**Description**	**Valid Until**	**Cert**
SYPH4	pH4 (pH = 4.01 +/- 0.02 @ 25 deg)		
SYDO	DO Powder (Sodium Suplphite Solution)	03-07-2024	
SYDTURB_100	100 NTU Standard Turbidity Solution		
602/2	Temperature Probe	07-05-2024	
SYDTURB_0	0 NTU Standard Turbidity Solution		
SYFRESHAIR	Ambient Air	29-08-2028	
SYZobell B	Zobel B: 1/50 mole K4Fe(CN) 6 in 0.1molar KCl	15-03-2024	
SYCOND	Conductivity (2760 µS/cm @ 25 deg)		
SYZobell A	Zobel A: 1/50 mole K3Fe(CN) 6 in 0.1molar KCl	15-03-2024	
SYPH7	pH7 (pH = 7.00 +/- 0.02 @ 25 deg)		

Completed By: Jason Cheng **Signed:**

Appendix N Groundwater and Surface Water Field Data Sheets

©JBS&G Australia Pty Ltd

Groundwater Sampling Form

PROJECT NAME:	Schofields	**PROJECT NO:**	62343
SAMPLING DATES:	19-10-22	**SAMPLERS:**	AA
TYPE OF INVESTIGATION:	GME	**PROJECT MANAGER:**	SGu
WELL ID:	GW02	**WEATHER:**	cloudy / rainy

Casing Diameter (mm):	50	**Depth to NAPL (mBTOC):**	
Well Completion:	Flush Mount / (Monument)	**Depth to SWL (mBTOC):**	4.908
Well Cap Type:	(Locking Cap) / PVC / Other	**NAPL Thickness (m):**	
Well Condition:	(Good) / Compromised	**Depth to EoH (mbtoc):**	9.015 | Final 9.025
Calculated Well Volume (L):		**Water Column Depth (m):**	
Sampling Method:		**NAPL Visually Verified?**	
Purge Volume	4 Casings Vol. (L)		
(Low Flow)	Pump Submersion depth (mBTOC)		

TIME	VOLUME PURGED L	DSSOLVED OXYGEN ☑% ☐ mgL/ppm	TEMP °C	pH pH units	EC µS/cm	ORP mV	SWL Comments Inc SWL for low flow (mBTOC)
8:25	0.2	5.0	16.6	6.45	4472	-169.9	4.475
8:29	0.4	2.8	16.5	6.72	4462	-249.9	4.585
8:32	0.6	2.8	16.5	6.73	4458	-269.2	4.655
8:25	0.8	2.6	16.5	6.74	4450	-274.5	4.670
Acceptable Variations*		+/-10%	+/- 0.2 °C	+/-0.05 pH	+/-3%	+/-10mV	Results Acceptable: (YES) / NO

LOW FLOW: Typical flow rate = 0.2- 0.4 L/min - Max. drawdown = 0.1 m - Well stable when 3 consecutive readings (either 3min apart or 1L apart)

PURGE: Min. sampling volume is 4 casing volumes or dry twice - 1 casing volume (50mm wells) = 2 L/m - 1 casing volume (100mm wells) = 8 L/m

Clarity:	turbid	**Sheen:**	YES / (NO)
Colour:	brown - grey	**Odour:**	YES / (NO)

© 2011-2019 JBS&G Australia Pty Ltd

Surface Water Sampling Form

JBS&G

PROJECT NAME: Guntawong Rd	**PROJECT NO:** 62343
FIELDWORK DATES: 2019	**SAMPLERS:** LW, LH, MN
TYPE OF INVESTIGATION: Surface Water & OSI	**PROJECT MANAGER:** SG

Field ID / Site ID	DATE	TIME	Sample Depth (m below surface)	Distance from Shore (m)	pH	Temp °C	DO % / mgL^{-1}	EC µS/cm	Redox Potential mV	COMMENTS (odour, clarity etc.)
SW01	20/9		0.2	1.0	7.78	19.4	10.45	1428	+11.1	Clarity 2 Colour light Brown Reedy Creek
SW02	↓		↓	0.2	7.67	22.1	10.95	2405	11.7	2 Brown Marshy Soil
SW03				0.1	7.30	17.3	3.37	906	0.2	3 light brown Pool in achy Creek
SW04				0.1	7.58	17.9	7.09	949	10.0	3 light Brown Flooded Field
SW05				0.2	6.65	19.0	9.29	4982	66.7	2 no colour Slightly east of boundary In Sandy stormwater
SW06 QAW01 / QW01	20/9		0.2	0.6	7.61	14.5	9.28	1150	0.3	1 no colour healthy An actual Creek, vegetation

Notes: Prior Dry weather left marshy spots.

Appendix O Groundwater Well Survey

©JBS&G Australia Pty Ltd

STUART DE NETT
LAND SURVEYORS

26 October 2022

Our Ref: 12672

RE: MONITORING WELLS
PROPERTY: 201 GUNTAWONG ROAD, TALLAWONG

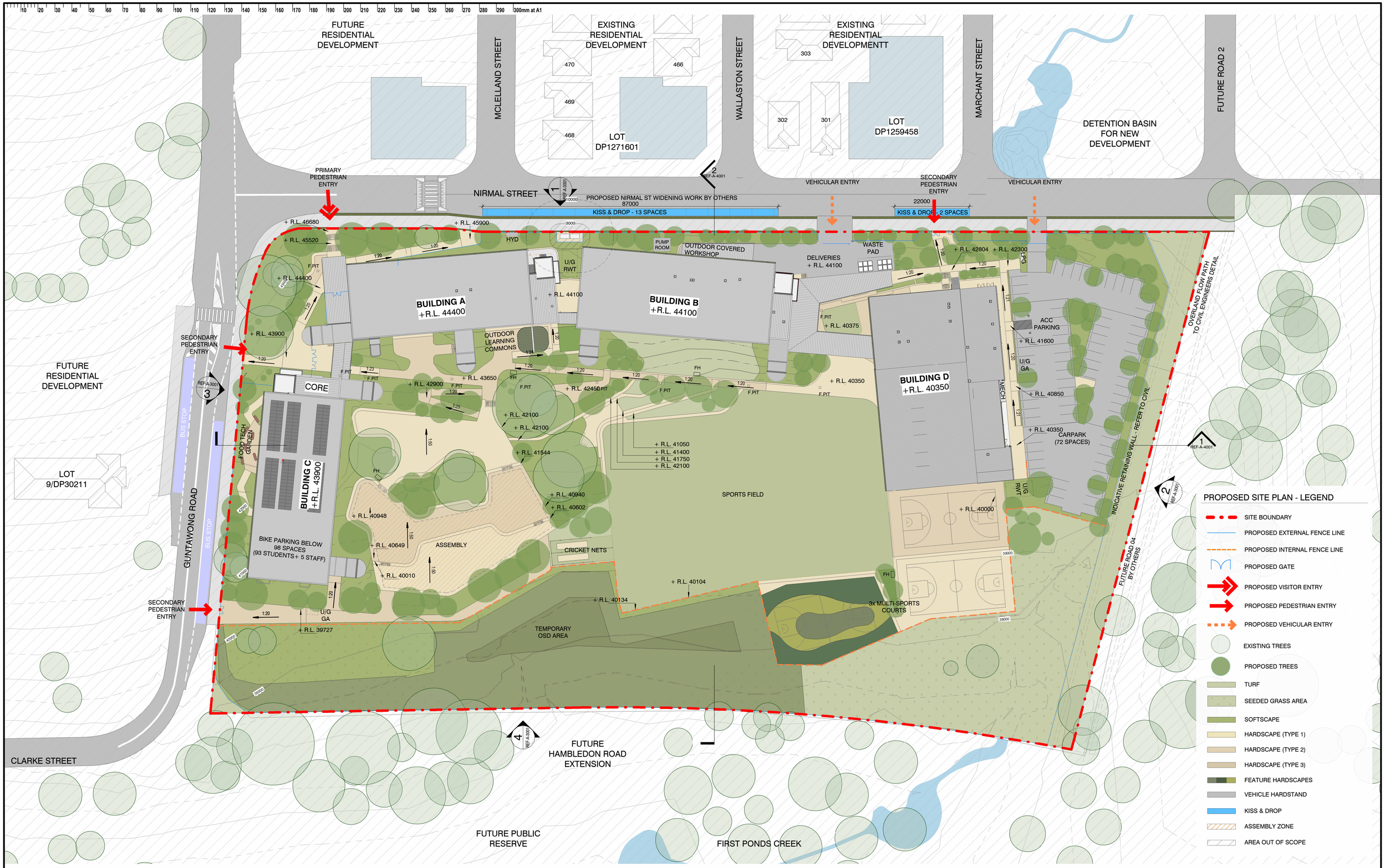
	MGA COORDINATES		AHD HEIGHTS		
Point	**Easting**	**Northing**	**Top of Pipe**	**Surface Level**	**Type**
GW01	304113.3	6270927.0	32.79	31.90	Monument
GW02	304435.6	6270975.6	45.14	43.84	Monument
GW03	304373.5	6270668.9	38.18	37.35	Monument
GW04	304621.2	6270704.6	50.83	49.36	Monument
GW05	304218.8	6270441.9	35.52	34.71	Monument

Methodology: RTK GNSS for position (+/-10mm) and height (+/-20mm)
AHD Origin: RTK GNSS (AUSGeoid2020)

Stuart de Nett | Registered Surveyor | E: office@landsurveyors.net.au | W: www.landsurveyors.net.au |
PH: 9526 6333 | Unit 1, 20 Gymea Bay Road, Gymea | PO Box 490, Gymea NSW 2227

Appendix P Proposed Site Plan

©JBS&G Australia Pty Ltd



ISSUE	DATE	SUBJECT	AUTHORISED
01	22/11/2024	FINAL DRAFT ISSUE FOR REF	TD
02	26/11/2024	FINAL DRAFT ISSUE FOR REF	TD
03	09/12/2024	UPDATED DRAFT ISSUE FOR REF	TD
04	18/12/2024	UPDATED SITE PLAN	TD
05	20/12/2024	ISSUE FOR REF	TD
06	08/01/2025	ISSUE FOR REF	TD
07	10/01/2025	ISSUE FOR REF	TD
08	16/01/2025	ISSUE FOR ARBORIST	TD
09	20/01/2025	ISSUE FOR REF	TD

LANDSCAPE ARCHITECT
SITE IMAGE Landscape Architects
Level 3-5 Baptist Street Redfern, 2016
T + 61 2 8332 5600

PROJECT MANAGER
TSA Riley
Level 15, 207 Kent Street, Sydney NSW 2000
T + 1300 482 651

CLIENT
NSW GOVERNMENT Education School Infrastructure

SERVICES
STEENSEN VARMING
Level 8/9-13 Castlereagh Street, Sydney NSW 2000
T + (02) 9967 2200
WSCE
Level 20, 66 Goulburn Street,, Sydney NSW 2000
T + (02) 9299 1312

STRUCTURE & CIVIL
TTW
Level 6/73 Miller St, North Sydney NSW 2060
T + (02) 9439 7288

ARCHITECT
djrd architects
T +612 9319 2955
ABN: 48 942 921 969
Nominated Architects: Andrew Howell 6562 Daniel Beekwilder 6192
63 Myrtle Street Chippendale NSW 2008 Sydney Australia
djrd.com.au

DISCLAIMER

This drawing should be read in conjunction with all the standard notes & abbreviations in the drawing pack, relevant contracts, specifications and drawings. Dimensions are in millimetres. Levels are metres. Do not scale off drawings. Use figured dimensions only. Check dimensions on Site. Report discrepancies immediately.

PROJECT
NEW HIGH SCHOOL FOR SCHOFIELDS AND TALLAWONG
GUNTAWONG ROAD, TALLAWONG NSW 2155

DESCRIPTION
SITE PLAN

1:500
0 5 10 15 25

PROJECT No	DRAWING No				REVISION
24-411	STHS-DJRD-00-00-REF-A-0103				09
SCALE	As indicated @ A1				
DATE PRINTED:	21/01/2025 10:59:25 AM	PURPOSE OF ISSUE	STATUS	DRAWN BY	SHEET SIZE	ORIGIN DATE
		ISSUE FOR REF	S4	NWF	A1	22/11/24

© JBS&G
This document is and shall remain the property of JBS&G. The document may only be used for the purposes for which it was commissioned and in accordance with the Terms of Engagement for the commission. Unauthorised use of this document in any form whatsoever is prohibited

Document Distribution

Rev No.	Copies	Recipient	Date
A	1 x electronic	Luis Fornes (TSA Riley)	1/10/2024
B	1 x electronic	Maria Soerensen (TSA Riley)	14/11/2024
0	1 x electronic	Maria Soerensen (TSA Riley)	22/11/2024
1	1 x electronic	Maria Soerensen (TSA Riley)	5/12/2024
2	1 x electronic	Maria Soerensen (TSA Riley)	19/12/2024
3	1 x electronic	Maria Soerensen (TSA Riley)	21/1/2025

Document Status

Rev No.	Author	Reviewer	Approved for Issue		
		Name	Name	Signature	Date
A	John De Martin	Chris Bielby	John De Martin	Draft for client review	1/10/2024
B	John De Martin	Chris Bielby	John De Martin	Draft for client review	14/11/2024
0	John De Martin	Chris Bielby	John De Martin		22/11/2024
1	John De Martin	Chris Bielby	John De Martin		5/12/2024
2	John De Martin	Chris Bielby	John De Martin		19/12/2024
3	John De Martin	Chris Bielby	John De Martin		21/1/2025

www.jbsg.com.au

JBS&G

Adelaide
Kaurna Country | 100 Hutt St,
Adelaide, SA 5000
T: 08 8431 7113

Brisbane
Turrbal/Yuggera Country | Level 37,
123 Eagle Street, Brisbane, QLD 4000
T: 07 3211 5350

Bunbury
Wardandi Country | 177 Spencer
Street Bunbury, WA 6230
T: 08 9792 4797

Canberra
Ngunnawal Country | Level 1, The Realm
18 National Circuit Barton, ACT 2600
T: 02 6198 3278

Darwin
Larrakia Country | Suite G1, Level 1,
48-50 Smith Street, Darwin NT 0800
T: 08 8943 0600

Hobart
Muwununa/Nuenon Country | L2, 137
Liverpool Street, Hobart TAS 7000
T: 03 6208 3700

Melbourne
Wurundjeri Country | Level 19,
31 Queen Street, Melbourne VIC 3000
T: 03 9642 0599

Newcastle
Awabakal/Worimi Country | 61 / 63
Parry Street Newcastle West, NSW 2302
T: 02 8245 0300

Perth
Whadjuk Country | Allendale Square,
Level 9, 77 St Georges Terrace, WA 6000
T: 08 9380 3100

Sydney
Gadigal Country | Level 1,
50 Margaret Street, Sydney, NSW 2000
T: 02 8245 0300

Wollongong
Dharawal Country | Suite 1A, 280 - 286
Keira Street, Wollongong, NSW 2500
T: 02 4225 2647