K2 CONSULTING GROUP

Detailed Site Investigation

100 McDonald Street, Crookwell NSW 2583

Prepared for:

Darjeeling Pastoral Pty Ltd

ST-1741 / DSI V1 Final
19th February 2024

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List of Abbreviations

ACM	Asbestos Containing Material
ASC NEPM	Assessment of Site Contamination – National Environmental Protection Measure (1999 amended 2013)
ASLP	Australian Leaching Procedure
BH	Borehole
BGL	Below ground level
BTEXN	Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene
CLR	Contaminated Land Register
COC	Chain of Custody
CoPC	Contaminants of Potential Concern
CSM	Conceptual Site Model
BYDA	Before You Dig Australia
DDD	Dichloro-Diphenyl Dichloroethane
DDE	Dichloro-Diphenyl Dichloroethylene
DDT	Dichloro-Diphenyl Trichloroethane
DP	Deposited Plan
DSI	Detailed Site Investigation
EIL	Ecological Investigation Levels
GPR	Ground Penetrating Radar
HIL	Health Investigation Levels
HSL	Health Screening Levels
LGA	Local Government Area
LOR	Limit of Reporting
m AHD	meters, Australian Height Datum
NATA	National Association of Testing Authorities
NSW EPA	New South Wales Environment Protection Authority
OCP	Organochloride Pesticides
OEH	Office of Environment and Heritage
OPP	Organophosphate Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PID	Photo-ionisation detector
QA	Quality Assurance
QC	Quality Control
RPD	Relative Percentage Difference
SAC	Site Acceptance Criteria
SPR	Source-Pathway-Receptor
SWMS	Safe Work Method Statement
TRH	Total Recoverable Hydrocarbons
UCL	Upper Confidence Level

EXECUTIVE SUMMARY

K2 Consulting Group was engaged by Darjeeling Pastoral Pty Ltd ('the Client') to undertake a Detailed Site Investigation (DSI) for contamination of the property located at 100 McDonald Street, Crookwell NSW 2583 (hereinafter referred to as 'the Site'). The site is identified as a portion of Lot 221 on DP1298825 located in the Upper Lachlan Local Government Area (LGA).

The site is proposed for redevelopment comprising a low-density residential subdivision, with a drainage reserve in the southeast portion of the site. A copy of the subdivision plan is presented in **Appendix VII**.

This report has been prepared in general accordance with provisions for a DSI as defined within the NSW EPA (2020) Guidelines for Consultants Reporting on Contaminated Sites and National Environmental Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM, 2013) and other relevant best industry practices and guidelines.

The scope of the DSI included the following:

- Desktop review of the previous investigation report, current and historical site information, and aerial photographs;
- Conduct site walkover inspection observing site features, surrounding areas, and land use, visual inspection, and noting for indicators of contamination;
- Preparation of a Conceptual Site Model (CSM)
- Intrusive soil sampling based on the findings of the desktop review and site walk-over inspection;
- Laboratory analysis of the soil samples for Contaminants of Potential Concern (CoPCs) identified in the CSM;
- Preparation of this DSI report outlining interpretation and analysis of the site data and providing recommendations, if required.

Based on the DSI undertaken, K2 concludes the following:

- Field observations did not indicate any evidence of contamination including odour, stains, or stressed vegetation;
- The lab analysis undertaken based on the previous CSM developed by Construction Sciences concluded that the concentration of all CoPCs was below the adopted SAC of HIL, HSL, and EILs;
- No asbestos was detected in any of the soil samples Presented for laboratory analysis; and
- Storage of potential contaminating or hazardous chemicals was not observed during the site walkover inspection; and
- The soil materials in Stockpile 1 and Stockpile 2 are classified as "General Solid Waste".

Relative percent difference (RPD) between the primary samples and the corresponding intra - and inter-laboratory duplicate samples were calculated. Based on the results of the field quality assurance (QA), field and laboratory quality control (QC), and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

Based on the review of historical site information and site investigation, it is concluded that the potential for contamination is low. K2 considers the site suitable for the proposed development of residential subdivision purposes.

The site investigation was undertaken by K2 only within four AECs identified by Construction Sciences (CS, PSI 2023). The remaining areas outside this site investigation where intrusive soil investigations were not conducted will be considered as a data gap. If any potentially contaminated soils or fill materials outside the description provided in this report are encountered during earthworks or excavations, site works are to cease in that area, and a suitably qualified environmental consultant shall be contacted for further advice. General instructions for unexpected finds are mentioned in **Section 13** of this report.

1. INTRODUCTION

K2 Consulting Group was engaged by Darjeeling Pastoral Pty Ltd ('the Client') to undertake a Detailed Site Investigation (DSI) for contamination of the property located at 100 McDonald Street, Crookwell NSW 2583 (hereinafter referred to as 'the Site'). The site is identified as a portion of Lot 221 on DP1298825 located in the Upper Lachlan Local Government Area (LGA).

The site is proposed for redevelopment comprising a low-density residential subdivision, with a drainage reserve in the southeast portion of the site. A copy of the subdivision plan is presented in **Appendix VII**.

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1.1. Objective

The objectives of the site investigation were to assess any potential contamination sources and evaluate potential human health and environmental risks at the site and its suitability for the proposed development as a low-density residential subdivision.

1.2. Scope of works

The scope of work undertaken to prepare this report is included in **Table 1**.

Table 1. Scope of works

Scope of Works	
Desktop Review	• Review of previous investigations (Preliminary Site Investigation by Construction Sciences, 2023) • Review of surrounding land use
Site walkover inspection	• Observing site features • Visual inspection and noting for indicators of contamination • Assessment of surrounding areas and land use
Soil sampling	• Preparation of a conceptual site model (CSM) • Intrusive soil sampling from fifty-two (52) sampling locations within four (4) areas of environmental concern (AECs) based on a systematic grid sampling pattern • Intrusive soil sampling from two (2) stockpiles based on a targeted sampling pattern • Laboratory analysis of the soil samples for Contaminants of Potential Concern (CoPCs). The COPCs were concluded based on the CSM developed during the Preliminary Site Investigation report by Construction Sciences.
Documentation	• Preparation of this DSI report summarising the findings and providing conclusions and recommendations.

2. SITE DESCRIPTION

The site is currently a vacant property located at 100 McDonald Street, Crookwell NSW 2583 (identified as a portion of Lot 221 on DP1298825). The site is zoned as R2: Low-Density Residential under the Upper Lachlan Local Environmental Plan 2010. The subject areas of investigation on the site areas of environmental concern (AECs) located in the eastern and western section. The site location and boundaries are presented in **Appendix I**. A summary of the site information is provided in **Table 2** below.

Table 2. Site Identification Details

Item	Description
Client	Darjeeling Pastoral Pty Ltd
Site Address	100 McDonald Street, Crookwell NSW 2583
Current Zoning	R2: Low Density Residential
Legal Description	Lot 221 on DP1298825
Local Government Authority (LGA)	Upper Lachlan Shire Council
Site Area (Ha)	7.19 (Approx.)
Subject area	Front yard (western section) and Back yard (western section)
Elevation (m AHD)	896 - 910
Current land use	Vacant
Proposed future land use	Low Density Residential

2.1. Surrounding Land Use and Environmental Conditions

The summary of the surrounding land use and environmental conditions is presented in **Table 3** below.

Table 3. Surrounding Land use

Parameters	Description
Surrounding land use	• McDonald Street and Tait Street form the southern and eastern boundaries of the site respectively. • Rural acreage properties were observed in the surrounding areas to the east, west, and north of the site. • Paddock land was observed in the south of the site, beyond McDonald Street.
Sensitive Ecological receptors	• Crookwell River is located approximately 750 m east of the site. • A water body (not identified) is located approximately 520 m southeast of the site. • Kiamma Creek is located approximately 2.5 km east of the site.

3. PREVIOUS INVESTIGATIONS

Preliminary Site Investigation (Report reference: 10791EV.P.418-R01 Rev1, prepared by Construction Sciences Pty Ltd (CS), dated 4 December 2023) – hereafter referred to as 'CS, PSI 2023'.

A summary of the findings from CS, PSI 2023 is outlined below:

> "*Based on the site history review and site walkover observations, four areas of environmental concern (AECs) have been identified for the site, where potential land contaminating activities may have occurred*."

The areas of environmental concerns (AECs) identified by CS and the associated CoPCs are presented in **Table 4** below:

Table 4. AECs and relevant CoPCs

ID	AEC	Source	CoPCs
AEC01	Western section	Former orchard cultivation (~30,000 m^2)	Pesticides, metals, and hydrocarbons
AEC02	Central section	Historic stockpiling and uncontrolled filling (~1000 m^2 and ~0.5m thick)	Pesticides, metals, hydrocarbons, and asbestos
AEC03	Eastern section	Historic stockpiling and uncontrolled filling (~10,000 m^2 and ~0.5m thick)	Pesticides, metals, hydrocarbons, and asbestos
AEC04	Northeast section	Historic stockpiling (370 m^2)	Pesticides, metals, hydrocarbons, and asbestos

Based on the assessment of the desktop review information and fieldwork observations, CS made the following conclusions and recommendations:

- "*There is potential contamination at the site arising from the past land use activities;*
- *Four areas of environmental concern have been identified at the Site;*
- *Construction Sciences considers that the site could be made suitable for the proposed residential (with accessible soil) land-use scenario, from a site contamination perspective, subject to the following measures:*
    - *A stage 2 detailed site investigation (DSI) to further assess potential contamination risks associated with the identified areas of environmental concern;*
    - *Any contamination found while undertaking the DSI should be remediated in accordance with a Remedial Action Plan (RAP); and*
    - *The stage 2 DSI and the RAP (if required) should be undertaken/prepared by a suitably experienced environmental consultant*."

4. ENVIRONMENTAL SITE SETTINGS

Refer to CS, PSI 2023 for the environmental site settings relevant to the site.

5. SITE HISTORY REVIEW

5.1. Current and Historical Title Search

A summary of the review of Historical Land Titles from CS, PSI 2023 is presented below:

"*A selection of historical land title ownership records of the site were reviewed. Observations made during the review (considered relevant to this project), indicated that registered proprietors of the site since 1890, have included:*

- *Farmers between 1890 and 1958;*
- *A grazier and orchardist between 1958 and 1999;*
- *Private individuals between 1999 and 2022; and*
- *Darjeeling Pastoral Pty Ltd from 2022 to current.*

Furthermore, the historical land title ownership records also revealed that a linear portion within the central part of the site was reportedly a road that was provided in an 1889-1890 subdivision (DP 2474). However, a notification was issued to close the road in 1962 and then the pink area was acquired by a grazier and orchardist in 1999.

Additionally, an easement of drain sewage (4.5m wide and variable) was reported for the site from 2023.

There were no leases reported for the site.

The review of historical land titles indicated a potential for land contaminating activities, in the context of other historical evidence reviewed during this project, and observations made during the site walkover (refer to Section 6 of this report), is considered warranted."

Refer to Appendix E of CS, PSI 2023 for the copy of the historical land title search.

5.2. Review of Historical Aerial Photographs

A summary of the review of Historical Aerial Photographs from CS, PSI 2023 is presented below.

"*The review of the historical aerial photography indicated a potential for land contaminating activities to have been undertaken on the site, specifically:*

- *Cultivation of orchards from 1962 till 2006;*
- *Ground disturbances and stockpiling between 2016 and 2023; and*
- *Potential dumping of waste between 2016 and 2023.*

Further assessment of these identified potential land contaminating activities, in the context of other historical evidence reviewed during this project, and observations made during the site walkover is considered warranted."

Based on the information obtained from the historical aerial imagery, it is inferred that the site has been used for residential purposes since 1956 and the site was vacant prior to 1943. No commercial or

industrial activities were indicated in the historical imagery review. No historical aerial images were available between 1943 and 1956."

Refer to Section 5 of CS, PSI 2023 for the copy of the historical aerial photographs.

5.3. NSW EPA Contaminated Land Register

A summary of the review of the regulatory records from CS, PSI 2023 is presented below.

"*A search of the NSW EPA online contaminated land record of notices indicated that the site (and land located immediately adjacent to the site) was not the subject of:*

- *orders made under Part 3 of the Contaminated Land Management Act 1997;*
- *notices available to the public under section 58 of the CLM Act;*
- *an approved voluntary management proposal under the CLM Act that has not been fully carried out and where NSW EPA approval has not been revoked;*
- *site audit statements provided to the NSW EPA under section 53B of the CLM Act that relate to significantly contaminated land;*
- *where practicable, copies of anything formerly required to be part of the public record; or*
- *actions taken by NSW EPA (or the previous State Pollution Control Commission) under section 35 or 36 m^3 of the Environmentally Hazardous Chemicals Act 1985.*

A search of the NSW EPA online list of NSW contaminated sites notified to NSW EPA indicated that the site (and land located immediately adjacent to the site) was not on the list.

A search of the NSW EPA online POEO public register indicated that the site (and the land immediately adjacent to the site) was not the subject of a licence, application, notice, audit, pollution study, or reduction program.

A copy of the planning certificate issued under section 10.7(2) if the EP&A Act was obtained, and indicated that, within the meaning of the CLM Act, the site was not:

- *significantly contaminated land;*
- *subject to a management order;*
- *the subject of an approved voluntary management proposal;*
- *subject to an ongoing maintenance order; or*
- *the subject of a site audit statement."*

6. SITE WALOVER INSPECTION

Site walkover inspection and soil sampling were conducted by K2's Environmental Scientist on 27th January 2023. The summary of the key site features observed during the site walkover and intrusive site investigation is presented in **Table 5** below. Refer to **Appendix I** for the site photographs of the key features observed during the site walkover.

Table 5. Summary of site features

Parameters	Description
Site features	• The site was observed to be vacant, and the majority of the site surface was grassed; • A sewer main and service pits were observed along the northern boundary of the western section of the site; • Mature trees formed the western and southern boundary of the site; • Dirt tracks were observed on the western and northeastern sections of the site; • Exposed soil surfaces were observed on the eastern section of the site; and • Two (2) stockpiles were observed in the eastern section of the site.
Stain and Odour	• No stains or olfactory indicators of contamination were observed.
Hazardous chemicals stored on site	• No hazardous chemical storage was identified on site.
Storage tanks	• No underground or above-ground storage tanks were observed.
Surrounding Land use	• Refer to **Section 2.1**.

7. CONCEPTUAL SITE MODEL

A CSM is a tool that relates identified impacts to potentially contaminated source areas based on the interpretation of the geology/hydrogeology and contaminant migration pathways and potential human and environmental receptors. A CSM provides a discussion of the nature and extent of impacts, and relevant source-pathway-receptor (SPR) linkages.

A CSM is a tool that relates identified potential contamination source (S) at the site, contaminant migration pathways (P) based on the interpretation of the geology/hydrogeology, current, and future land uses, and potential human and environmental receptors (R). A CSM provides a discussion of the nature and extent of impacts, and relevant source-pathway-receptor (SPR) linkages. The linkage between SPR in the CSM examines whether a complete, potential, or incomplete exposure pathway exists. The status of the exposure pathway determines the presence of risk to the environment and/or human health, the exposure pathways are categorised as follows:

- Complete: All elements are present. Potential risk exists;
- Potentially complete: one or more of the elements may not be present, and /or information is insufficient to eliminate or exclude the element. The potential for risk exists; and
- Incomplete: one or more of the elements are absent. The risk to the receptor does not exist.

In accordance with ASC NEPM (NEPC, 2013) Schedule B2 – Guideline on Site Characterisation and to aid in the assessment of data collection for the site, K2 developed a preliminary CSM, to evaluate potential risk from SPR. The CSM provides a framework for the review of the reliability and useability of the data collected and to identify data gaps in the existing site characterisation.

Based on the site walkover and soil assessment, a CSM has been developed for the subject areas (AECs). Refer to **Table 6**.

7.1. Potential Sources and Associated Contaminants of Potential Concern

A Previous CSM was developed by CS during their PSI in 2023.

Based on the site visit and the lab reports, K2 has adopted the CSM from CS, PSI 2023. The following contamination sources and CoPCs are likely to be present on the site.

- Fill: Potential imported fill material in soil;
    - CoPC includes: Heavy metals/metalloids (Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Mercury (Hg), and Zinc (Zn)), Total Recoverable Hydrocarbons (TRH), Polycyclic Aromatic Hydrocarbons (PAH), Benzene, Toluene, Ethylbenzene, Xylenes and Naphthalene (BTEXN), Organo Chlorine and Organo Phosphate Pesticides (OCP/OPP), and Asbestos.

- Application of historical pesticides application on-site during historical site use; and
    - CoPC includes: Heavy metals and OCP/OPP.

- Potential hazardous materials in the stockpiles present on site;
    - CoPC includes: Asbestos-containing material (ACM), asbestos in soil, Heavy Metals, TRH, BTEXN, and PAH.

Based on the review of CS, PSI 2023 Section 7, CS concluded that Per and Poly-Fluoroalkyl Substances (PFAS) assessment was not warranted for the site, hence no PFAS assessment was included during this investigation by K2 Consulting Group.

Table 6. Updated Conceptual Site Model

Potential Contamination Source	Contaminants of Potential Concern (CoPC)	Affected Areas	Primary Release Mechanism	Secondary Release Mechanism	Potential Impacted Media	Exposure Pathways	Potential receptors	The Potential risk of Complete exposure pathway
Imported fill material	TRH, BTEX, PAH, Heavy metals, OCP and OPP	AEC1	Placement of fill material	Leaching and migration of contaminants via surface runoff, rainwater infiltration during historical land use, or disturbance during future development	Soil, groundwater, and surface water run-off	Dermal contact, inhalation of dust/vapour, ingestion, surface water, and groundwater migration.	Current residents, future residents, future workers, neighbouring residents, and construction personnel involved in development of the site	Complete
							Groundwater	Complete
	TRH, BTEX, PAH, Heavy metals, OCP, OPP and Asbestos in soil	AEC2, AEC3, AEC4, Stockpile 1, Stockpile 2	Placement of fill material and stockpiling	Leaching and migration of contaminants via surface runoff, rainwater infiltration during historical land use, or disturbance during future development	Soil, groundwater, and surface water run-off	Dermal contact, inhalation of dust/vapour, ingestion, surface water, and groundwater migration.	Current residents, future residents, future workers, neighbouring residents, and construction personnel involved in the development of the site	Complete
							Groundwater	Complete
Historical usage of pesticides on-site	Heavy metals and OCP/OPP	AEC1, AEC2, AEC3, AEC4	Use of pesticides for landscaping/land management activities	Leaching and migration of contaminants via surface runoff, rainwater infiltration during historical land use, or disturbance during future development	Soil, groundwater, and surface water	Dermal contact, inhalation of dust/vapour, ingestion, surface water, and groundwater migration.	Current residents, future residents, future workers, neighbouring residents, and construction personnel involved in the development of the site	Complete
							Groundwater	Complete
Potential hazardous materials in the stockpiles	TRH, BTEX, PAH, Heavy metals, OCP, OPP and Asbestos in soil	Stockpile 1, Stockpile 2	Building/Construction materials dumped in stockpiles	Migration of contaminants via surface runoff, or disturbance during future development	Soil	Inhalation of dust	Current residents, future residents, future workers, neighbouring residents, and construction personnel involved in the development of the site	Complete
							Groundwater	Incomplete

8. Field Investigation Methodology

8.1. Soil Investigation

A total of fifty-two (52) test pits were advanced using an excavator to a maximum depth of 1.2 m below ground level (BGL). Soil samples were collected from the potential fill layer (0.0-0.3 m BGL and natural layer (0.3-1.1 m BGL) from each test pit. One hundred and four (104) primary samples were collected during this investigation. Additional quality control (QC) samples including five (5) intra-laboratory duplicates, and five (5) inter-laboratory duplicate soil samples were collected. The test pit locations and AECs are presented in **Appendix I.**

Table 7. Summary of samples per AECs

Areas of Environmental Concern	Total area (m^2)	No. of Samples
AEC - 1	30, 000	35
AEC - 2	1000	2
AEC - 3	10,000	12
AEC - 4	370	2
Total	**41, 370**	**51**

Two (2) stockpiles – Stockpile 1 (30 m^3) and Stockpile 2 (100 m^3) on site were also investigated, the stockpile locations are presented in **Appendix I**. Three (3) samples from stockpile 1 and four (4) samples from stockpile 2 were collected based on the minimum sampling density by volume. The volumes of the stockpiles were estimated by CS during their PSI in 2023.

Fifty-one (51) primary samples and five (5) intra-laboratory samples were selected for analysis of the CoPC at the primary Laboratory, SGS Australia Pty Ltd. Five (5) inter-laboratory soil samples were analysed for CoPC identified at Eurofins|MGT (Eurofins). Both SGS and Eurofins are National Association of Testing Authorities (NATA) accredited laboratories. The remaining samples were placed on hold for future assessment (if required). All samples will be stored in the laboratory for a specified period following the receipt of samples.

Generally, soil samples were collected to a maximum depth of 1.0 m BGL and/or 0.5 m from the underlying natural soils or at a depth where apparent potential contamination or change in soil profile was noted. No Photo-Ionisation Detector (PID) readings were taken as no indications such as odour and staining were observed during the soil investigation.

Field observations and visual and olfactory soil indicators such as staining, odour, and discolouration, were considered during the collection of samples.

Soil sampling Procedures

Soil samples were collected using disposable nitrile gloves, which were changed between each sample. Soil samples were carefully placed in appropriate sampling containers supplied by the laboratory. Samples were placed in the jars immediately and were filled to the top with soil samples to minimise any headspace.

WA DoH 2021 method

Soil sampling for asbestos analysis was undertaken using the recommended sampling method as per Guidelines for the assessment, remediation, and management of asbestos-contaminated sites in WA, DoH, 2021, i.e, by collecting and spreading out a 10 Litre soil sample on a contrasting colour plastic

sheet and inspecting for ACM, as well as collecting a 500 ml wetted sample for laboratory analysis of Asbestos Fines (AF) / Fibrous Asbestos (FA). Samples were collected from the top profile (0.0-0.2 m BGL). The soil samples (500 ml) were sent to a NATA laboratory for the analysis of asbestos in soils while the FCS fragments identified in the 10 Litre samples were sent along with the soil samples for gravimetric analysis.

All field observations were noted in the field sheet using the chain of custody (COC) including, unique sample identification, sample description, sampling coordinates, soil profiles, and test pit numbers (**Appendix III**).

Sample Transportation

Sampling jars were placed in a precooled esky with ice. The field forms were completed, and the primary and intra-laboratory soil samples were then transferred to the primary laboratory SGS Australia Pty Ltd (SGS) at U16, 33 Maddox St, Alexandria, NSW under the Chain of Custody (COC) form. SGS is a (NATA) accredited laboratory.

Decontamination Procedures

The soil samples were collected wearing nitrile gloves, which were changed between each sample to ensure no cross-contamination occurred between soil samples. This decontamination procedure was followed for all soil samples collected on the site. Any excess soils collected during the investigation were used to backfill the borehole and reinstated in the ground. No soils from the sampling program were taken off-site for disposal.

8.2. Laboratory Analysis

Chemical Analysis

AEC1

Thirty-six (36) samples were selected for analysis of heavy metals, TRH, BTEX, PAH, and OC/OP.

AEC2

Two (2) samples were selected for analysis of heavy metals, TRH, BTEX, PAH, OC/OP, and asbestos in soil (500 ml).

AEC3

Twelve (12) samples were selected for analysis of heavy metals, TRH, BTEX, PAH, OC/OP, and asbestos in soil (500 ml).

Stockpile 1

A total of three (3) primary samples were collected from Stockpile 1 located within AEC3. The samples were selected for analysis of heavy metals, TRH, BTEX, PAH, OC/OP, and asbestos in soil (500 ml)

Stockpile 2

A total of four (4) primary samples were collected from Stockpile 2 located within AEC3. The samples were selected for analysis of heavy metals, TRH, BTEX, PAH, OC/OP, and asbestos in soil (500 ml).

AEC4

Two (2) samples were selected for analysis of heavy metals, TRH, BTEX, PAH, OC/OP, and asbestos in soil (500 ml).

QA/QC Analysis

Five (5) intra-laboratory soil samples, trip blank, and trip spike were sent to SGS for QA/QC purposes.

Five (5) inter-laboratory duplicate samples were sent to Eurofins for QA/QC purposes.

Asbestos in Soil Analysis

Twenty-three (23) soil samples collected from AEC2, and AEC3 (including stockpile 1 and stockpile 2) were selected for the analysis of asbestos in soil (500ml).

9. SITE ASSESSMENT CRITERIA (SAC)

9.1. Soil Assessment Criteria

The site assessment criteria for low-density residential land use with garden/accessible soil, including children's daycare centres, preschools, and primary schools are adopted in this investigation obtained from the Assessment of Site Contamination, National Environment Protection (Assessment of Site Contamination) Measure (1999), 2013 Amendment. Refer to **Table 8** for the adopted SAC.

Health Investigation Levels (HILs)

The NEPM guidelines have established the following four (4) generic land-use settings for the assessment of human health risks from a broad range of organic and inorganic contaminants (Tier 1 assessment).

Based on the current land use and the proposed land use (development of a Preschool - childcare centre), '**HIL A - Residential** with garden/accessible soil (homegrown produce <10% fruit and vegetable intake, (no poultry), also includes children's day-care centres, preschools, and primary schools' was considered as the appropriate criteria (Tier 1 screening criteria) relevant to this investigation.

Health Screening Levels (HSLs)

HSLs were established for specific petroleum hydrocarbon fractions to assess the human health risk from vapour inhalation and direct contact pathways. The HSLs can vary depending on the physio-chemical properties of the soil, soil depth, and the presence of any building structures on site. The NEPM HSLs adopted for this investigation were developed for soils up to a depth from 0 m to <1 m and are summarised in **Table 8**.

Direct contact HSLs

Direct contact HSLs have been developed for exposure through dermal contact, incidental oral ingestion, and dust inhalation and then combined as a single HSL for direct contact with soil. For most site assessments, the direct contact HSLs are unlikely to become drivers for further investigations or site management as the values are significantly higher than most other soil screening levels.

Management Limits

Management limits apply to petroleum hydrocarbon fractions (F1, F2, F3, and F4) and indicate the maximum acceptable values on a site and apply to all soil depths if any petroleum hydrocarbon contamination is identified on a site. Management limits should be considered to identify the presence of non-aqueous phase liquids (NAPL), gross petroleum hydrocarbon contamination, potential fire or explosive risks, and damage to buried infrastructure and aesthetics of the site associated with petroleum hydrocarbons.

Based on the current and future development, the Management Limits adopted during this investigation are 'Residential, parkland and public open spaces' and are summarised in **Table 8**.

Asbestos in soils

Asbestos in soils was analysed as per the Australian Standard AS 4964-2004 (Method for the qualitative identification of asbestos in bulk samples). The presence of asbestos was used as an indication to assess the soils for any risks from asbestos. If any samples detected asbestos in soils or if any ACM is observed on soils, a detailed asbestos investigation will be required.

Ecological Investigation Levels (EILs)

Ecological Investigation Levels (EILs) and Added Contaminant Limits (ACLs), where appropriate, have been derived for selected metals (As, Pb, Cu, Ni, Cr III, Zn) and organic compounds (DDT and Naphthalene) and are applicable for assessing risk to terrestrial ecosystems (NEPC, 2013). The EILs generally apply to the top 2 m of the soil.

Site-specific EILS were calculated based on the below formula:

EIL=ABC (ambient background concentration) + ACL (added contaminant limit)

Input values were obtained from laboratory analysis of three (3) soil samples (ST-1741-TP11 (0.9m), ST-1741-TP32 (0.75m), and ST-1741-TP46 (0.7m) (1.0m)) for Cation Exchange Capacity (CEC), pH, and % Clay content. The following were obtained from the analysis:

- Total organic carbon content of 0.32%;
- A clay content (<0.002mm) of 30% w/w;
- An iron content of 4.87%;
- A pH of 4.53 which is the pH obtained from site-specific testing; and
- A cation exchange capacity (CEC) of 6.76 meq/100g is the CEC value obtained from site-specific testing.

In addition, given the site history, the contamination was considered to be aged. The site-specific EILs presented in **Table 8** were calculated based on the interactive Excel sheet developed by CSIRO for NEPC.

Ecological Screening Levels (ESLs)

Ecological Screening Levels (ESLs) for 'Urban residential and public open space', where appropriate, were adopted for TPH fractions F1-F4, BTEX, and Benzo(a)pyrene as per ASC NEPM Schedule-B1 table 1B (6). ESLs for 'fine' soil were adopted for this investigation. Refer to **Table 8.**

Table 8. Site Assessment Criteria

Analytes	Health Investigation Levels (A)[1] (mg/kg)	Health Screening Levels Residential (A)[2]		Management Limits (A) Fine soils (mg/kg)	Ecological Investigation Levels – site-specific (mg/kg)	ESL (mg/kg)
		HSL (mg/kg)[3]	Direct Contact (mg/kg)			
Arsenic (total)	100	-	-	-	100	-
Cadmium	20	-	-	-	-	-
Chromium (III)	-	-	-	-	580	-
Chromium (VI)	100	-	-	-	-	-
Copper	6000	-	-	-	40	-
Lead	300	-	-	-	1100	-
Mercury (inorganic)	40	-	-	-	-	-
Nickel	400	-	-	-	70	-
Zinc	7400	-	-	-	200	-
Polycyclic aromatic hydrocarbons (PAHs)	300	-	-	-	-	-
Carcinogenic PAHs (As BaP TEQ)	3	-	-	-	-	-
Phenols	3000	-	-	-	-	-
DDT					180	
DDT+DDE+DDD	240	-	-	-	-	-
Aldrin and Dieldrin	6	-	-	-	-	-
Chlordane	50	-	-	-	-	-
Endosulfan	270	-	-	-	-	-
Endrin	10	-	-	-	-	-
Heptachlor	6	-	-	-	-	-
Hexachlorobenzene	10	-	-	-	-	-
Methoxychlor	300	-	-	-	-	-
Chlorpyrifos	160	-	-	-	-	-
Benzene	-	0.5	100	-	-	65
Toluene	-	160	14000	-	-	105
Ethyl Benzene	-	55	4500	-	-	125
Xylene	-	40	12000	-	-	45
Naphthalene	-	3	1400	-	170	-
TRH: C_6 – C_{10} (F1)	-	45	4400	800	-	180
TRH: C_{10}-C_{16} (F2)	-	110	3300	1000	-	120
TRH: C_{16}- C_{34} (F3)	-	-	4500	3500	-	1300
TRH: C_{34} – C_{40} (F4)	-	-	6300	10000	-	5600
PAH (Total)	300	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	0.7

Notes:

1. HIL A - Residential with garden/accessible soil (homegrown produce <10% fruit and vegetable intake, (no poultry), also includes children's day-care centres, preschools, and primary schools.
2. Health Screening Levels (HSL) for surface soils 0 m to <1 m where applicable. NL - Not Limiting.
3. Clay (clay, clay loam, and silt loam) criteria were adopted.

10. RESULTS AND DISCUSSION

10.1. Field Observations

Generally, topsoil was encountered in the top layer up to 0.4 m BGL was observed in the grassed sections of the site. Fill material consisting of silty clay, gravel, roadbase, and demolished construction material fragments was observed in the exposed sections of the site. The top layer was followed by natural silty clay of red or yellow colour up to the maximum termination depth of 1.2 m BGL.

No free groundwater was encountered in the test pits during sampling to the maximum excavation depth of 1.2 m BGL. Please refer to the test pit logs (**Appendix III**) for the depth of potential fill and natural soils at each borehole.

Details of the subsurface conditions encountered in the test pits and soil lithology are provided in **Table 9** below.

Table 9. Soil Lithology

Soil profile	Depth (m BGL)	Test Pit ID	Soil type
Topsoil	Surface to 0.4	TP02, TP03, TP06, TP07, TP08, TP09, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, 1TP36, TP39, TP47,	Topsoil consisting of clayey silt. Light brown to dark brown. Slightly moist. Low plasticity.
Fill	Surface to 0.3	TP01, TP04, TP05, TP21, TP22, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP48, TP49, TP50, TP51, TP52	Fill consisting of silty clay, plant roots, minor gravel, and road base. Brown. Slightly moist to dry. Low plasticity.
Natural	0.4 to 1.2 m BGL	TP01, TP03, TP04, TP05, TP06, TP07, TP08, TP09, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP41, TP42, TP43, TP45	Natural soils consisting of silty clay. Yellow clay with minor pockets of red-grey mottled clay. Slightly stiff. Slightly moist. Low to medium plasticity.
		TP02, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP40, TP46, TP47, TP48, TP49, TP50, TP51, TP52	Natural soils consisting of silty clay. Red clay with minor gravels. Slightly stiff. Slightly moist. Low to medium plasticity.

10.2. Discussion of Analytical Results

The laboratory analysis results were compared against the adopted SAC which indicated no exceedances of the CoPCs in all soil samples analysed. A summary of laboratory results is provided in **Appendix V** and Laboratory certificates are presented in **Appendix VI**.

Metals /Metalloids

The concentrations of heavy metals (As, Cd, Pb, Ni, Hg) in all the soil samples analysed were below the adopted SAC except for total Chromium and zinc:

- Total chromium concentrations for three (3) primary samples sample IDs: ST-1741-TP31 (0.8m) – 140 mg/kg, ST-1741-TP48 (0.25m) – 220 mg/kg, and ST-1741-TP49 (0.25m) – 220 mg/kg)) and two (2) stockpile samples (sample IDs: ST-1741-STK-1B (190 mg/kg) and ST-1741-STK-1C (120 mg/kg) exceeded 100 mg/kg however the concentrations were below the site-specific EIL of 580 mg/kg for Chromium III; Additional analysis of these samples for Chromium speciation did not detect the presence of Chromium VI above the laboratory's limit of reporting (LOR);
- One (1) stockpile sample (sample ID: ST-1741-STK-1C (610 mg/kg))) detected an exceedance of Zinc above the SAC of EILs (200 mg/kg). Additional analysis of ASLP for Zinc detected the concentration of Zinc to be 0.06 mg/L. A comparison of the leachate concentration of Zinc with Australian Drinking Water Guidelines (2011), did not identify health risk criteria and was below the aesthetic guideline values of 3 mg/L.

BTEXN

The concentrations of BTEXN in all the soil samples analysed were below the adopted SAC.

TRH

The concentrations of TRH were below the adopted SAC and the management limits for all the soil samples analysed.

PAH

The concentrations of all PAH compounds in all the soil samples analysed were below the adopted SAC.

OCP/OPPs

The concentrations of OCP/OPPs in all the soil samples analysed were below the adopted SAC.

Asbestos in soil (500 ml)

Asbestos was not detected in the twenty-three (23) soil samples submitted for laboratory analysis. Fibrous cement material fragments were detected in two (2) 500 ml soil samples collected from TP44 and TP45, however, no asbestos was detected in the samples.

10.3. Preliminary Waste Classification of Stockpiles

A preliminary waste classification of the soil materials in Stockpile 1 and Stockpile 2 was undertaken to determine the suitability of on-site reuse of the soil. Based on the laboratory analysis reports, the concentrations of the analytes were not detected above the CT1 criteria of the NSW EPA Waste

Classification Guidelines, Part 1: Classifying waste. No asbestos was detected in the soil. The soils in Stockpile 1 and Stockpile 2 are classified as "General Solid Waste". Refer to **Appendix VI** for the waste classification table.

10.4. Discussion of Quality Assurance and Quality Control (QA/QC)

Relative percent difference (RPD) between the primary samples and the corresponding intra- and inter-laboratory duplicate samples were calculated. Calculations of the QA/QC data are presented in **Appendix IV**. RPD exceedances were detected for four analytes, this can be attributed to the heterogeneity of the soil sample. The accuracy and precision of the soil testing procedures, as inferred by the QA/QC data, are considered to be of sufficient standard.

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

11. CONCLUSIONS

Based on the DSI undertaken, K2 concludes the following:

In-situ Soils:

- Field observations did not indicate any evidence of contamination including odour, stains, or stressed vegetation;
- The lab analysis undertaken based on the previous CSM developed by Construction Sciences concluded that the concentration of all CoPCs was below the adopted SAC of HIL, HSL, and EILs;
- No asbestos was detected in any of the soil samples presented for laboratory analysis; and
- Storage of potential contaminating or hazardous chemicals was not observed during the site walkover inspection.

Preliminary Waste Classification

The soil materials in Stockpile 1 and Stockpile 2 are classified as “General Solid Waste”.

Based on the review of historical site information and site investigation, it is concluded that the potential for contamination is low. K2 considers the site suitable for the proposed development as a low-density residential subdivision.

12. RECOMMENDATIONS

Based on the findings of this investigation, K2 recommends the following:

- The site is considered suitable for the proposed development of residential subdivisions, however if any potentially contaminated soils or fill materials outside the description provided in this report are encountered in future excavations, all works shall cease, and a suitably qualified environmental consultant shall be contacted for further advice. General instructions for unexpected finds are mentioned in **Section 13** of this report.

13. UNEXPECTED FINDS PROCEDURE

During excavation or civil works, if visual indications of contamination are present such as significantly stained soils, odorous soils, sheen, tarry or ashy material, or unexpected anthropogenic material (other than what is expected to be encountered on site, including asbestos) then,

STOP EXCAVATION (CIVIL WORKS) in the immediate/affected area;

1. Notify the Supervisor, Environmental Site Representative, and Client;
2. Contact an Environmental Consultant and Hygienist and seek further advice;
3. If required, separate the contaminated materials from non-contaminated materials based on the advice of the Environmental Consultant and other stakeholders;
4. Environmental consultant to conduct an assessment of the material to determine suitability for reuse onsite. This step may require sampling laboratory analysis; and
5. Ensure all re-use or off-site disposal plans are recorded before the re-commencement of works in the affected area.

Unexpected finds procedure (Asbestos)

In the event of the discovery of suspected asbestos-containing materials, the following steps are recommended to be undertaken:

1. Stop excavation in the immediate/affected area. Demarcate and isolate the area from workers;
2. Notify the Supervisor;
3. A trained and competent person such as an Environmental consultant/occupational hygienist must be engaged to identify the asbestos;
4. For less than 10 m^2 of non-friable asbestos contamination, proceed with non-licenced asbestos removal and disposal in accordance with the Code of Practice: How to safely remove asbestos (2019);
5. For greater than 10 m^2 of non-friable asbestos contamination, an environmental consultant or an occupational hygienist and a licenced asbestos removalist must be engaged for asbestos removal works in accordance with the Code of Practice: How to safely remove asbestos (2019);
6. For friable asbestos contamination, proceed with licenced asbestos removal work in accordance with per NSW SafeWork Code of Practice and other relevant contaminated land guidelines; and
7. Suitable for on-site reuse? Provide the client with the results of the assessment before proceeding to the next step.

For higher-risk situations, involving the risk of explosion and/or damage to underground services, the local authorities and emergency teams shall be contacted to manage the situation.

Data gaps

The site investigation was undertaken by K2 only within four AECs identified by Construction Sciences (CS, PSI 2023). The remaining areas outside this site investigation where intrusive soil investigations were not conducted will be considered as a data gap. If any potentially contaminated soils or fill materials outside the description provided in this report are encountered during earthworks or excavations, site works are to cease in that area, and a suitably qualified environmental consultant shall be contacted for further advice.

14. 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 on information provided by the client. The advice herein relates only to this project and all results, conclusions, and recommendations made should be reviewed by a competent and experienced person with experience in environmental and occupational hygiene investigations, before being used for any other purpose.

K2 Environmental Services Pty Ltd (K2) 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 or amended in any way without prior approval by the client or K2 and should not be relied upon by any other party, who should make their own independent inquiries. This report does not provide a complete assessment of the 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, K2 reserves the right to review the report in the context of the additional information. When interpreting reports from other parties, K2 assumes that the works undertaken were of a high standard. K2 does not take responsibility for the work or quality of reports produced by other parties involved in the project at any time.

The report is reviewed and authorised by Dr. Dawit Bekele (Certified Site Contamination Specialist CEnvP-SC (ID. SC41149) on behalf of crcCARE. Dr. Dawit has provided an expert review of this report solely on the contamination assessment in this report based on the information provided by K2. K2's professional opinions are based upon its professional judgment, experience, training, and results from analytical data (if applicable). In some cases, further testing and analysis may be required, thus producing different results and/or opinions. K2 has limited investigation to the scope agreed upon with its client. It should be noted only the subject area outlined in this report was inspected and adjacent areas may contain asbestos. K2 reserves the right to retract, review, and amend this report if an omission, error, or further investigation is required that may affect the conclusions in the report.

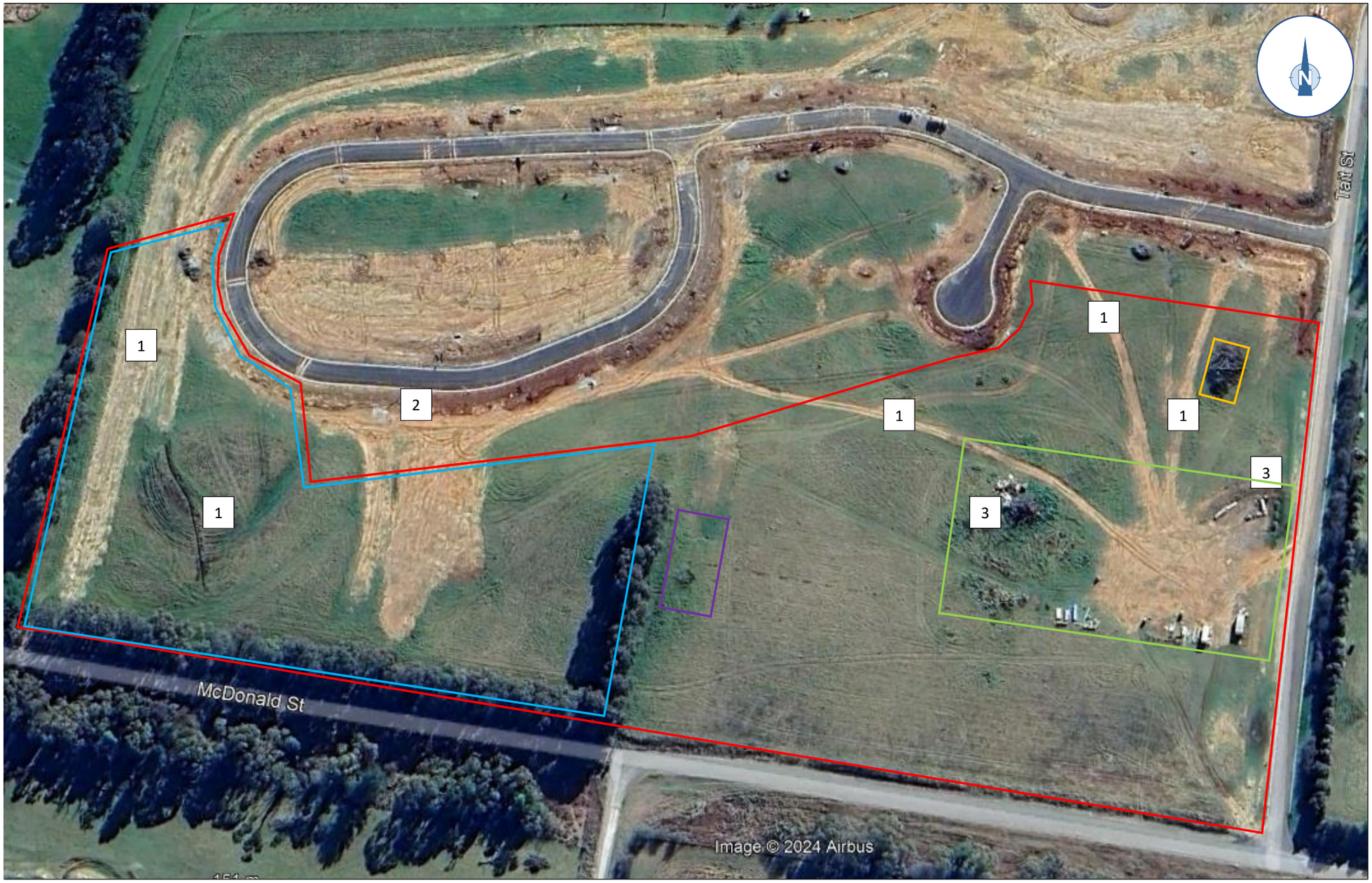
Unless otherwise agreed in writing and signed by both parties, K2's total aggregate liability will not exceed the total consulting fees paid by the client in relation to this Proposal. K2 has used a degree of care and skill ordinarily exercised in similar investigations by a reputable member of the Environmental Industry within Australia. No other warranty, expressed or implied, is made or intended.

15. REFERENCES

- National Environment Protection Council (NEPC), (2013A). '*Schedule B1: Guidelines on Investigation Levels for Soil, Groundwater, National Environment Protection (Assessment of Site Contamination) Measure (NEPM) as amended in May 2013'*.
- National Environment Protection Council (NEPC), (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999, NEPM, Canberra. Schedule B2: Guideline On-site Characterisation*.
- NSW EPA (1997). *Contaminated Land Management Act 1997,* amended 2022.
- NSW Environmental Protection Authority (2014). Waste Classification Guidelines.
- NSW Government (2017). NSW Work Health and Safety Regulations.
- NSW EPA (2020) Contaminated Land Guidelines - Consultants Reporting on Contaminated Land.
- NSW EPA (2022) Sampling design part 1 – Application, Contaminated Land Guidelines, August 2022, NSW EPA.
- NSW EPA (2022) Sampling design part 2 – Interpretation, Contaminated Land Guidelines, August 2022, NSW EPA.
- Australian Drinking Water Guidelines (2011).
- Preliminary Site Investigation (Report reference: 10791EV.P.418-R01_Rev1, Construction Sciences Pty Ltd, (4 December 2023).

Appendix I

Aerial Photographs



SITE FEATURES

- Site boundary
- AEC1
- AEC2
- AEC3
- AEC4

1. Dirt tracks
2. Sewer and service pits.
3. Stockpile

Figure 1. Site boundary, AEC locations and site features

Project No: ST-1741	Drawing No. Figure 1	Detailed Site Investigation	
Client: Darjeeling Pastoral Pty Ltd		Site 100 McDonald Street, Crookwell NSW 2583	
Prepared by: SB	Not to scale	Lot 221 of DP784240	Image source: http://maps.google.com/
Checked by: KK			

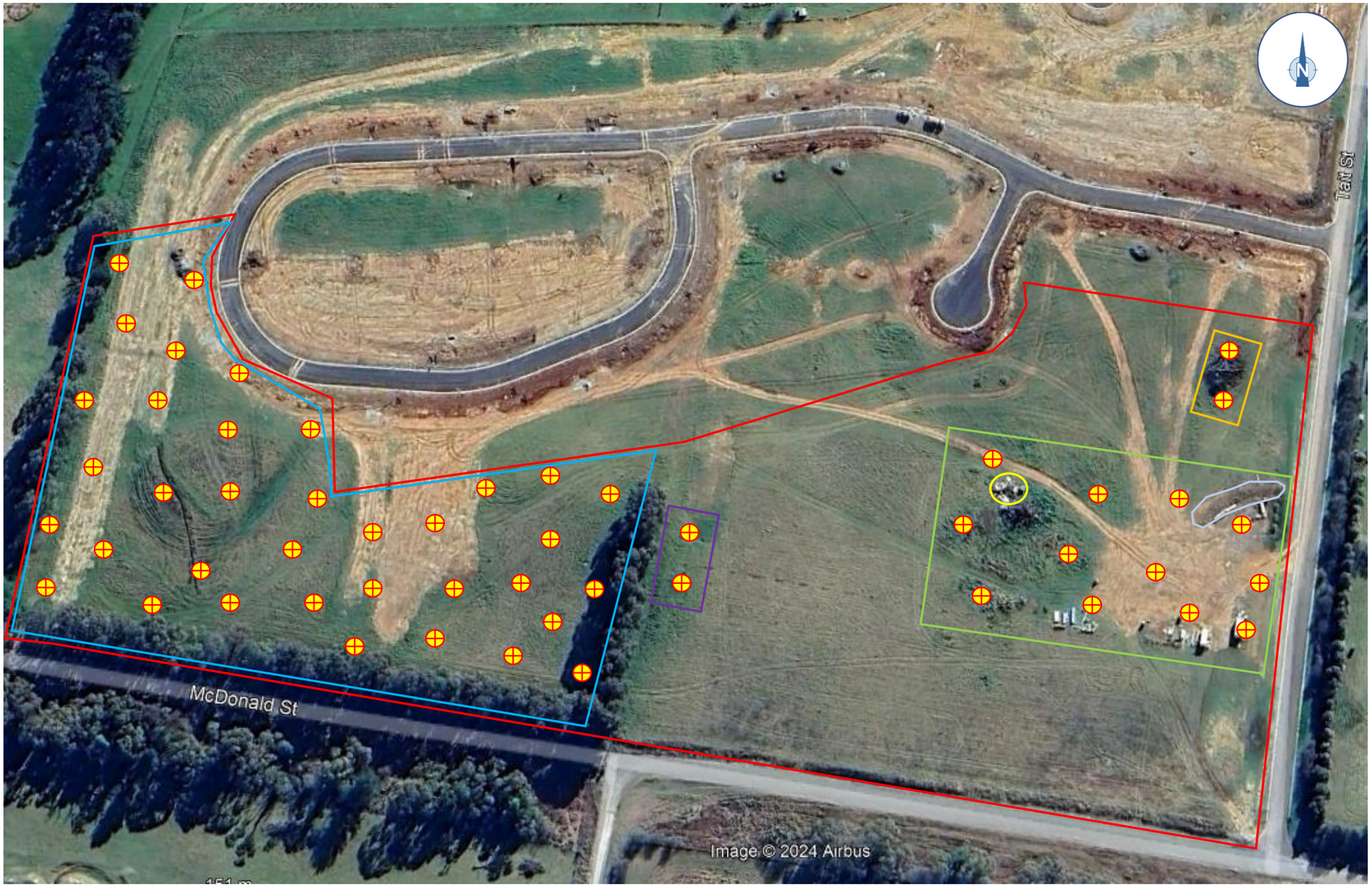


Figure 2. Approximate test pit locations on site

Project No: ST-1741	Drawing No. Figure 2	Detailed Site Investigation	
Client: Darjeeling Pastoral Pty Ltd		Site Address: 100 McDonald Street, Crookwell NSW 2583	
Prepared by: SB	Not to scale	Property Description: Lot 211 of DP1298825	Image source: http://maps.google.com/
Checked by: KK			

Appendix II

Site Walkover photographs

Photo.1. Representative photo of topsoil profile observed at TP01. Centre align

Photo.2. Representative photo of the natural soil profile observed at TP07.

Photo.3. Representative photo of the soil profiles observed in the test pit in AEC1.

Photo.4. Representative photo of natural soil profile observed at TP22.

Photo.5. Representative photo of the soil profiles observed at various depth in TP28.

Photo.6. Representative photo of the fill material observed at AEC2.

Photo.7. Representative photo of the fill material including fragments of fibrous cement material observed at AEC3. Laboratory analysis of similar material fragment did not identify the presence of asbestos.

Photo.8. Representative photo of the soil profile observed at TP51. Explain soil profile.

Photo.9. Representative photo of the soil profile observed in stockpile 2.

Photo.10. Representative photo of the soil in stockpile 1 consisting of general construction material waste mixed with soil and gravel.

Photo.11. Representative photo of the fill material observed on the surface of AEC3.

Photo.12. Representative photo of the grassed surface in AEC1.

Appendix III

Test pit Logs

K2 CONSULTING GROUP

Test Pit TP01

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 23/01/2024
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.714 E 149° 27.114
SURFACE ELEVATION 921 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty clay with gravel. Light brown. Dry		
0.2					0.2-0.3	
0.3	ST-1741-TP01 (0.3m)	Y				
0.4				NATURAL. Yellow clay with slightly red mottled pockets. Slightly moist. Low plasticity.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP01 (0.8m)					
0.9						
1						
1.1						
1.2				Termination Depth at 1.2 m BGL		
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP02

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 23/01/2024
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.714 E 149° 27.114
SURFACE ELEVATION 921 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Light brown. Dry with roots and minor gravels.		
0.2					0.2-0.3	
0.3	ST-1741-TP02 (0.3m)					
0.4				NATURAL Silty clay. Red. Stiff, moist with some aggregates.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP02 (0.8m)	Y				
0.9						
1				Termination Depth at 1.0 m BGL		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP03

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 23/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.723 E 149° 27.102
SURFACE ELEVATION 922 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Light brown. Dry with roots.		
0.2					0.2-0.3	
0.3	ST-1741-TP03 (0.3m)	Y				
0.4				NATURAL. Silty clay. Yellow - red mottled. Slightly moist. Light to medium plasticity. Rocks present.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP03 (0.8m)					
0.9						
1						
1.1				Termination Depth at 1.0 m BGL		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP04

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 23/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.736 E 149° 27.119
SURFACE ELEVATION 922 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty Clay with road base. Loose. Dry.		
0.2					0.3-0.4	
0.3	ST-1741-TP04 (0.3m)	Y				
0.4				Silty Clay. Yellow. Loose. Low plasticity.		
0.5						
0.6				NATURAL. Silty Clay. Yellow-Grey mottled. Medium plasticity.		
0.7					0.7-0.8	
0.8	ST-1741-TP04 (0.8m)					
0.9						
1						
1.1						
1.2				Termination Depth at 1.2 m BGL		
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP05

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 23/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.743 E 149° 27.125
SURFACE ELEVATION 921 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty Clay with gravel. Hard and dry.		
0.2	ST-1741-TP05 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Yellow-Green-Red mottled. Slightly moist with low to medium plasticity.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP05 (0.75m)				0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0 m BGL		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP06

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 23/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.748" E 149°27.095"
SURFACE ELEVATION 921 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Brown. Slightly moist. Organic		
0.2	ST-1741-TP06 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay Yellow-Green-Red mottled. Slightly moist. Light to medium plasticity.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP06 (0.75m)				0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0 m BGL		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP07

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.765" E 149°27.094"
SURFACE ELEVATION 921 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Brown, Stiff, Slightly moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP07 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-red mottled. Stiff and moist with light to medium plasticity.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP07 (0.8m)					
0.9						
1				Termination Depth at 1.0 m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP08

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 23/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.782" E 149°27.086"
SURFACE ELEVATION 919 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Light brown. Slightly moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP08 (0.3m)					
0.4				NATURAL. Silty clay. Yellow. Slightly moist. Loose.		
0.5						
0.6						
0.7				NATURAL. Yellow-Grey mottled silty clay. Slightly moist. Stiff.	0.7-0.8	
0.8	ST-1741-TP08 (0.8m)	Y				
0.9						
1						
1.1				Termination Depth 1.1 m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP09

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.798 E 149° 27.092'
SURFACE ELEVATION 919 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown, Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP07 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP08 (0.8m)					
0.9						
1				Termination Depth at 1.0 m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP10

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.798 E 149° 27.092'
SURFACE ELEVATION 919 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown, Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP10 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.5						
0.6						
0.7				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.	0.7-0.8	
0.8	ST-1741-TP10 (0.8m)					
0.9						
1				Termination Depth at 1.0 m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP11

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Sirish Baniya
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.792 E 149° 27.100'
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown, Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP11 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.5						
0.6						
0.7				NATURAL. Silty Clay with some gravel. Yellow-green mottled. Stiff, slightly moist.		
0.8					0.7-0.8	
0.9	ST-1741-TP11 (0.9m)					
1						
1.1						
1.2				Termination Depth at 1.2 m BGL.		
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP12

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.776 E 149° 27.108'
SURFACE ELEVATION 917 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown, Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP12 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.5						
0.6						
0.7				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.8						
0.9					0.9-1.0	
1	ST-1741-TP12 (1.0m)					
1.1				Termination Depth at 1.1m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP13

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.754 E 149° 27.110'
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown, Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP13 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow-green mottled. Stiff, slightly moist.		
0.5						
0.6						
0.7				NATURAL. Silty Clay. Green-yellow mottled. Low to medium plasticity, slightly moist.	0.7-0.8	
0.8	ST-1741-TP13 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP14

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.754 E 149° 27.110'
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP14 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow. Stiff.		
0.5						
0.6						
0.7				NATURAL. Silty Clay. Yellow-brown mottled with some minor gravel. Loose to slightly still. Slightly moist.	0.7-0.8	
0.8	ST-1741-TP14 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP15

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St., Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.775 E 149° 27.124'
SURFACE ELEVATION 917 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2					0.15-0.25	
0.3	ST-1741-TP15 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow. Stiff.		
0.5						
0.6						
0.7						
0.8	ST-1741-TP15 (0.8m)			NATURAL. Silty Clay. Brown-red mottled with minor gravel.	0.7-0.8	
0.9						
1						
1.1				Termination Depth at 1.0m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP16

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.796 E 149° 27.112'
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP16 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Yellow. Stiff.		
0.5						
0.6						
0.7				NATURAL. Silty Clay. Yellow-red mottled with minor gravel. Slightly moist with low plasticity.	0.7-0.8	
0.8	ST-1741-TP16 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP17

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.802 E 149° 27.115
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP17 (0.3m)					
0.4				NATURAL. Silty Clay. Yellow. Stiff.		
0.5						
0.6						
0.7						
0.8	ST-1741-TP17 (0.8m)	Y		NATURAL. Silty Clay. Brown-green mottled with black gravel.	0.7-0.8	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP18

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.800 E 149° 27.135
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2	ST-1741-TP18 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Yellow. Stiff.		
0.4						
0.5						
0.6				NATURAL. Silty Clay. Brown-red slighlty mottled.		
0.7					0.7-0.8	
0.8	ST-1741-TP18 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP19

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.785 E 149° 27.134'
SURFACE ELEVATION 917 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP19 (0.3m)					
0.4				NATURAL. Silty Clay. Yellow. Stiff.		
0.5						
0.6						
0.7						
0.8	ST-1741-TP19 (0.8m)	Y		NATURAL. Silty Clay. Yellow. Slightly moist with low plasticity.	0.7-0.8	
0.9						
1						
1.1				Termination Depth at 1.0m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP20

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.774 E 149° 27.145
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Stiff, moist. Organic.		
0.2	ST-1741-TP20 (0.20m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Yellow. Stiff.		
0.4						
0.5						
0.6				NATURAL. Silty Clay with minor gravel. Yellow + minor red mottled. Low plasticity.		
0.7					0.7-0.8	
0.8	ST-1741-TP20 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP21

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.761 E 149° 27.149
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty Clay with minor gravel(road base). Light brown. Loose, dry.		
0.2	ST-1741-TP21 (0.20m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Yellow.		
0.4						
0.5						
0.6				NATURAL. Silty Clay. Dark yellow + minor red mottled.		
0.7						
0.8	ST-1741-TP21 (0.8m)				0.7-0.8	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP22

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.761 E 149° 27.149
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty Clay with minor gravel(road base). Light brown. Loose, dry.		
0.2	ST-1741-TP22 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red Clay. Slighlty moist with light to medium plasticity.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP22 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP23

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.794 E 149° 27.171
SURFACE ELEVATION 920 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1						
0.2	ST-1741-TP23 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red Clay. Slighlty moist with light to medium plasticity.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP23 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP24

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.812 E 149° 27.161
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Rootlets.		Black gravel aggregates present in Natural.
0.2	ST-1741-TP24 (0.25m)				0.15-0.25	
0.3				NATURAL. Silty clay, red-yellow mottled with trace gravel.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP24 (0.8m)	Y				
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP25

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.813 E 149° 27.182
SURFACE ELEVATION 915 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Rootlets.		
0.2	ST-1741-TP25 (0.25m)				0.15-0.25	
0.3				NATURAL. Silty clay, red-yellow mottled with trace gravel.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP25 (0.75m)	Y			0.65-0.75	
0.8						
0.9				Termination Depth at 0.9m BGL. (Refusal due to bedrock)		
1						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP26

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.801 E 149° 27.199
SURFACE ELEVATION 911 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown. Loose.		Rocks present at depth of 0.9m.
0.2					0.2-0.3	
0.3	ST-1741-TP26 (0.3m)	Y				
0.4				TRANSITION LAYER. Light brown to reddish brown.		
0.5						
0.6				NATURAL. Silty Clay with minor gravel. Reddish brown. Slight moist.		
0.7					0.7-0.8	
0.8	ST-1741-TP26 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP27

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.785 E 149° 27.196
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2					0.2-0.3	
0.3	ST-1741-TP27 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Red Clay. Slighlty moist with light to medium plasticity.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP27 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP28

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.773 E 149° 27.202
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP28 (0.25m)				0.15-0.25	
0.3				NATURAL. Silty Clay. Red Clay. Slighlty moist with light to medium plasticity.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP28 (0.8m)	Y				
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP29

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.773 E 149° 27.202
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP29 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Slighlty moist with light to medium plasticity. Gravel at 0.9-1.0m BGL.		
0.4						
0.5						
0.6						
0.7						
0.8						
0.9	ST-1741-TP29 (0.9m)				0.9-1.0	
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP30

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.787 E 149° 27.222
SURFACE ELEVATION 916 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP30 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Slighlty moist with light to medium plasticity. Gravel at 0.9-1.0m BGL.		
0.4						
0.5						
0.6						
0.7						
0.8	ST-1741-TP30 (0.8m)				0.8-0.9	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP31

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.797 E 149° 27.211
SURFACE ELEVATION 915 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP31 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Slightly moist with light to medium plasticity. Minor (trace) gravel present.		
0.4						
0.5						
0.6						
0.7						
0.8	ST-1741-TP31 (0.8m)	Y			0.8-0.9	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP32

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.820 E 149° 27.214
SURFACE ELEVATION 917 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP32 (0.25m)				0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Slighlty moist with light to medium plasticity.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP32 (0.75m)	Y			0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP33

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.820 E 149° 27.214
SURFACE ELEVATION 917 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP33 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Reddish Brown.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP33 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP34

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.802 E 149° 27.227
SURFACE ELEVATION 918 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP34 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Reddish Brown.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP34 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP35

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.796 E 149° 27.232
SURFACE ELEVATION 917m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP35 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Red. Slightly moist with light to medium plasticity. Minor (trace) gravel present.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP35 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP36

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.775 E 149° 27.232
SURFACE ELEVATION 917m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Organic.		
0.2	ST-1741-TP36 (0.2m)				0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Slightly moist with light to medium plasticity. Minor (trace) gravel present at 0.8-1.0m BGL.		
0.4						
0.5						
0.6						
0.7						
0.8	ST-1741-TP36 (0.8m)	Y			0.7-0.8	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP37

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.786 E 149° 27.253
SURFACE ELEVATION 910m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Light brown. Loose. Dry		
0.2	ST-1741-TP37 (0.2m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Slightly moist. Trace gravel present.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP37 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP38

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.796 E 149° 27.251
SURFACE ELEVATION 916m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay. Light brown. Loose. Dry. Fill (Road based).		
0.2	ST-1741-TP38 (0.2m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Slightly moist. Trace gravel present.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP38 (0.75m)				0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP39

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.810 E 149° 27.400
SURFACE ELEVATION 901 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty clay with gravel.		
0.2	ST-1741-TP39 (0.2m)				0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Slightly moist. Trace gravel present.		
0.4						
0.5						
0.6						
0.7						
0.8	ST-1741-TP39 (0.8m)	Y			0.7-0.8	
0.9						
1						
1.1				Termination Depth at 1.0m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP40

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.793 E 149° 27.410
SURFACE ELEVATION 911 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Road base and gravel. Dry.		
0.2	ST-1741-TP40 (0.2m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Trace gravel present.		
0.4						
0.5						
0.6						
0.7						
0.8	ST-1741-TP40 (0.8m)				0.7-0.8	
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP41

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.781 E 149° 27.405
SURFACE ELEVATION 908 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Dark. Road base and gravel. Dry.		
0.2					0.2-0.3	
0.3	ST-1741-TP41 (0.3m)	Y				
0.4						
0.5				NATURAL. Silty Clay. Yellow. Trace gravel present. Moist with medium plasticity.		
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP41 (0.8m)					
0.9						
1						
1.1						
1.2				Termination Depth at 1.2m BGL.		
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP42

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.779 E 149° 27.381
SURFACE ELEVATION 909 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Dark. Road base and gravel. Dry.		
0.2	ST-1741-TP42 (0.25m)	Y			0.15-0.25	
0.3				NATURAL. Silty Clay. Yellowish to Yellow-Red-Green mottled. Slightly moist with light to medium pasticity.		
0.4						
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP42 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP43

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.799 E 149° 27.383
SURFACE ELEVATION 908 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Dark. Road base and gravel. Dry.		
0.2					0.2-0.3	
0.3	ST-1741-TP43 (0.3m)	Y				
0.4						
0.5				NATURAL. Silty Clay. Yellowish to Yellow-Red mottled. Trace gravels. Slightly moist with light to medium plasticity.		
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP43 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP44

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.804 E 149° 27.393
SURFACE ELEVATION 908 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Dark. Road base and gravel. Dry.		
0.2					0.2-0.3	
0.3	ST-1741-TP44 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Red. Trace gravels. Light to medium plasticity.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP44 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP45

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.806 E 149° 27.377
SURFACE ELEVATION 907 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Clayey silt. Dark. Road base and gravel. Dry.		
0.2	ST-1741-TP45 (0.25m)	Y			0.15-0.25	
0.3						
0.4				NATURAL. Silty Clay. Yellow. Mottled red gravel and Black gravel aggregates present.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP45 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP46

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.788 E 149° 27.358
SURFACE ELEVATION 913 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty Clay. Light brown. Loose. Dry.		Rock + gravel + charcoal + wood present on surface.
0.2	ST-1741-TP46 (0.2m)	Y			0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Medium plasticity.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP46 (0.75m)				0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP47

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.778 E 149° 27.366
SURFACE ELEVATION 910 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				TOPSOIL. Silty Clay. Light Brown. Loose.		Some gravel in small spots on surface.
0.2	ST-1741-TP47 (0.2m)				0.1-0.2	
0.3				NATURAL. Silty Clay. Red. Medium plasticity.		
0.4						
0.5						
0.6						
0.7	ST-1741-TP47 (0.75m)	Y			0.65-0.75	
0.8						
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP48

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.771 E 149° 27.342
SURFACE ELEVATION 909 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Light Brown.Gravel and road base.		
0.2					0.2-0.3	
0.3	ST-1741-TP48 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Red. Trace gravel.		
0.5						
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP48 (0.8m)					
0.9						
1						
1.1				Termination Depth at 1.0m BGL.		
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP49

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.784 E 149° 27.337
SURFACE ELEVATION 909 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty clay. Light Brown. Gravel, mulch and dead roots present.		
0.2					0.2-0.3	
0.3	ST-1741-TP49 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Red. Gravel present.		
0.5						
0.6					0.6-0.7	
0.7	ST-1741-TP49 (0.7m)					
0.8						
0.9				Termination Depth at 0.85m BGL. (Refusal due to Bedrock)		
1						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP50

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.800 E 149° 27.334
SURFACE ELEVATION 911 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty clay. Light Brown. Gravel present.		
0.2					0.2-0.3	
0.3	ST-1741-TP50 (0.3m)	Y				
0.4				NATURAL. Silty Clay. Red. Gravel present.		
0.5						
0.6						
0.7	ST-1741-TP50 (0.75m)				0.65-0.75	
0.8						
0.9				Termination Depth at 0.9m BGL. (Refusal due to Bedrock)		
1						
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP51

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.748 E 149° 27.398
SURFACE ELEVATION 913 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Gravel, silt, ash, charcoal and pieces of dry timber present.		
0.2					0.2-0.3	
0.3	ST-1741-TP51 (0.3m)	Y				
0.4						
0.5				NATURAL. Silty Clay. Red. Trace gravel present. Medium plasticity.		
0.6						
0.7					0.7-0.8	
0.8	ST-1741-TP51 (0.8m)					
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

K2 CONSULTING GROUP

Test Pit TP52

PROJECT NUMBER ST-1741
PROJECT NAME Detailed Site Investigation
CLIENT Darjeeling Pastoral Pty Ltd
ADDRESS 100 McDonald St, Crookwell NSW 2583

SAMPLING DATE 24/01/2023
OPERATOR Nathan
SAMPLING EQUIPMENT Excavator

COORDINATES S 34° 27.752 E 149° 27.399
SURFACE ELEVATION 912 m
LOGGED BY SB
CHECKED BY KK

COMMENTS

Depth (m)	Sample ID	Is Analysed?	Graphic Log	Material Description	Sample depth range m BGL	Additional Observations
0.1				FILL. Silty clay. Gravel present.		
0.2	ST-1741-TP52 (0.2m)	Y			0.1-0.2	
0.3						
0.4				NATURAL. Silty Clay. Red. Low plasticity.		
0.5						
0.6					0.6-0.7	
0.7	ST-1741-TP52 (0.7m)					
0.8						
0.9						
1				Termination Depth at 1.0m BGL.		
1.1						
1.2						
1.3						
1.4						
1.5						
1.6						
1.7						
1.8						
1.9						
2						
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						

Appendix IV

Data Quality Objectives – Quality Assurance/Quality Control

Data Quality Objectives

The Data Quality Objectives (DQO) process is a systematic planning tool based on the scientific method for establishing criteria for data quality and for developing data collection designs.

The DQO process is designed to clarify the study objectives, define the appropriate type of data, and specify tolerable levels of potential decision errors.

The DQO is a seven-step planning process that is defined by the US EPA and the NSW EPA to facilitate the development of qualitative and quantitative parameters that enable to identify and collect sufficient high-quality data required for informed decision-making to meet the objectives of the investigation and ensure high-confidence of data is achieved in the investigation process.

The seven-step DQO process adopted for this DSI can be summarised as:

- Step 1: State the Problem – concisely describe the problem to be studied. Review prior studies and existing information to gain a sufficient understanding to define the problem.
- Step 2: Identify the Decision – identify what questions the study will attempt to resolve, and what actions may result.
- Step 3: Identify the Inputs to the Decision – identify the information that needs to be obtained and the measurements that need to be taken to resolve the decision statement.
- Step 4: Define the Study Boundaries – specify the periods and spatial area to which decisions will apply. Determine when and where data should be collected.
- Step 5: Develop a Decision Rule – define the statistical parameter of interest, specify the action level, and integrate the previous DQO outputs into a single statement that describes the logical basis for choosing among alternative actions.
- Step 6: Specify Tolerable Limits on Decision Errors – define the decision maker's tolerable decision error rates based on a consideration of the consequences of making an incorrect decision.
- Step 7: Optimise the Design –evaluate information from the previous steps and generate alternative data collection designs. Choose the most resource-effective design that meets all DQOs.

For higher-risk situations, involving the risk of explosion and/or damage to underground services, the local authorities and emergency teams shall be contacted to manage the situation.

Table 10. Data Quality Objectives

Step	Detail
State the problem	Determine the vertical and horizontal extent of any potential contamination of the soils on site from identified contamination sources on site.
Define the Study Boundary	• The investigation boundary comprises the extent of the site as shown in **Figure 1**. The vertical extent of the investigation comprised soils on the surface and the natural soils below the surface at varying depths. • No groundwater sampling was undertaken during this investigation. The vertical boundary of the investigation was terminated at a maximum depth of 1.0 m BGL for this investigation. The horizontal boundary of the investigation was limited to the accessible soils on site. Please refer to **Figure 1**.
Develop a decision rule	If the concentration of the CoPCs in the assessed media is reported to be below the relevant adopted site acceptance criteria and/or LORs, then the area of investigation will be deemed suitable, and no management or remediation options will be proposed for its current or proposed land use. If the concentration of one (1) or more CoPCs exceeds the site acceptance criteria, then further investigation will be required to delineate the vertical and horizontal extent of contamination and another medium such as groundwater may be investigated, and remediation or management methods may be required. The following statistical criteria were adopted during the investigation: • 95% upper confidence limit of the average concentration of each analyte must be below the site acceptance criteria; • No single analyte concentration shall exceed 250% of the adopted criteria; • The standard deviation of the results must be less than 50% of the adopted criteria.
Specify Tolerable Limits on Decision Errors	Precision is measured using the standard deviation (SD) or Relative Percent Difference (%RPD). Replicate data for field duplicates for inorganics is expected to be as follows: • RPD criteria of 50% or less, for concentrations ≥10 times LOR. • No limit for concentrations ≤ 10 times LOR. Replicate data for field duplicates for organics is expected to be as follows: • RPD criteria of 30% for organics, for concentrations ≥10 times LOR. • No limit for concentrations ≤ 10 times LOR. Where acceptable limits for field duplicates were not met, a discussion on low-biased error will be provided.
Optimise the Design	The soil samples were collected from various depths in the topsoil or fill zone, and from natural soils below. Soils were also collected when there was a change in the soil profile or apparent contamination was observed. Based on the analytical results, further assessment works may be recommended, if required.

Field Procedures

The quality and appropriateness of field procedures were assessed by the following QA/QC measures.

Table 11. Field QA/QC Assessment

Measure	Outcome	Comment
Replicate Frequency	Pass	An intra-laboratory duplicate sample was collected and analysed at the following frequencies: Soil: • 5 set of replicate per 50 primary samples – all analytes (1/10 or 10%) These frequencies meet the minimum required rate of 1/10 or 10%, indicating acceptable rates of replicate frequency.
Decontamination / Cross Contamination	Pass	Samples were collected directly from the boreholes. Dedicated nitrile gloves were worn for each sample collection from the test pits.
Sample Handling and Preservation	Complete	Following collection, all soil samples were immediately placed into an appropriate laboratory-supplied sample container and stored on ice. Samples were kept chilled and transported to the laboratory under Chain of Custody (CoC) documentation. Details of the sample transportation and handling can be found on the CoC and Sample Receipt Notification (SRN) documentation (see **Appendix VI – Laboratory reports**).
Chain of custody	Complete	Samples were transported to the laboratory under a completed CoC. Information on the CoC included: staff details, sample identifier, sample matrix, collection date, analyses to be performed, sample release date, and sample received to date. CoCs are provided in **Appendix VI** along with all associated laboratory reports.
Trip Blank	Pass	Trip blanks were placed in the Esky during transportation to the lab to assess for potential cross-contamination. All samples were collected within laboratory-supplied sample containers and stored and transported within an ice-chilled Esky to prevent the loss of volatile compounds.

Analytical QA/QC

The following table presents a review of relevant laboratory QA/QC procedures and measures, to enable an assessment of overall data quality. The detailed QA/QC reports from the primary laboratory are provided in **Appendix VI**.

Table 12. Summary of laboratory QA/QC

Measure	Outcome	Comment
Accreditation	Pass	Primary laboratory: SGS Australia Pty Ltd SGS is a NATA-accredited laboratory. Refer to www. NATA.com.au for their respective accreditation numbers
Holding times	Pass	Samples were analysed and extracted within the recommended holding times
Intra-laboratory Duplicate	Pass	The following intra-laboratory Field Duplicate samples were submitted to the primary laboratory (SGS) for analysis: • Soil field duplicate ST-1741-BR1; Primary ST-1741-TP05 (0.25m) • Soil field duplicate ST-1741-BR2; Primary ST-1741-TP15 (0.25m) • Soil field duplicate ST-1741-BR3; Primary ST-1741-TP25 (0.75m) • Soil field duplicate ST-1741-BR4; Primary ST-1741-TP42 (0.25m) • Soil field duplicate ST-1741-BR5; Primary ST-1741-TP45 (0.25m) Field duplicate RPD are presented in **Appendix V**. No RPD exceedances were noted for the soil intra-laboratory sample.
Inter-laboratory Duplicate	Pass	The following intra-laboratory Field Duplicate samples were submitted to the secondary laboratory (Eurofins) for analysis: • Soil field duplicate ST-1741-SR1; Primary ST-1741-TP05 (0.25m) • Soil field duplicate ST-1741-SR2; Primary ST-1741-TP15 (0.25m) • Soil field duplicate ST-1741-SR3; Primary ST-1741-TP25 (0.75m) • Soil field duplicate ST-1741-SR4; Primary ST-1741-TP42 (0.25m) • Soil field duplicate ST-1741-SR5; Primary ST-1741-TP45 (0.25m) Field duplicates RPD are presented in **Appendix V**. Four RPD exceedances was noted for the Inter-laboratory sample, however it can be attributed to the heterogeneity of the soil sample.
Internal laboratory duplicate	Pass	Internal laboratory duplicates provide information regarding method precision and sample heterogeneity. RPD criteria met the internal laboratory acceptance criteria. Refer to **Appendix VI** for laboratory reports.
Laboratory method blank	Pass	Laboratory method blanks indicated that key contaminants of interest were not detectable at levels above the relevant standard LORs.
Percent Recoveries of Spikes and Surrogates	Pass	The reported laboratory spikes were within acceptable ranges. The laboratory surrogate results were within the acceptable in all the samples analysed. By considering all field and laboratory quality control data, the results are considered acceptable.

Data Quality Summary

A key objective of the data quality assessment is to provide a consistent approach to the evaluation of whether the DQOs of the project have been achieved. The following table summarises the outcomes of the DQOs and associated data quality assessment outcomes.

Table 13. Data Quality Assessment Summary

DQO	Evaluation
Documentation Completeness	CoC forms, field forms, and laboratory analytical reports were complete and appropriate
Data Completeness	All samples were received by the laboratory and analytical results were fully reported, including laboratory QA/QC
Data Comparability	Industry-standard operating procedures and best practices were followed during sampling. Consistent field conditions and similarly trained staff were used during sampling. Consistent use of the primary laboratory for the current analytical assessment
Data Representativeness	The frequency of laboratory blanks was acceptable, and the results were within specified ranges. Some recovery rates were outside the acceptable range however as indicated by the laboratory, the exceedances were caused by sample heterogeneity and matrix interference. Based on the concentration of analytes in the primary samples presented and the soil matrix observed onsite it is considered that the data obtained is representative of the site conditions and is considered sufficient.
Precision	No unexpected anomalies were observed, and duplicate data was generally within acceptable ranges.

In summary, the majority of the QA/QC measures conformed with relevant procedures, methodologies, and acceptance criteria. The data was considered to be representative of site conditions and chemical concentrations in the environmental media sampled and are therefore suitable for use in this report.

Discussion of Quality Assurance and Quality Control (QA/QC)

Relative percent difference (RPD) between the primary samples and the corresponding intra - and inter - laboratory duplicate samples were calculated. Based on the results of the field quality assurance (QA), field and laboratory quality control (QC), and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

Five (5) intra-laboratory samples were used to identify any variation in analyte concentration from a sample collected from the same sampling point and to ensure the repeatability of the laboratory's analysis method. Five (5) inter-laboratory samples were collected to determine the analytical proficiency of the laboratory.

The acceptance criteria for quality control samples adopted are as follows:

- Relative percentage difference (RPD) 30% for organics and RPD 50% for inorganics – if concentration greater than or equal to 10 times the laboratory's Limit of Reporting (LOR);
- No limit – if the primary and duplicate concentration is less than 10 times the LOR; and
- If both sample values are less than the LOR, the RPD is not calculated.

A summary of the RPDs between the primary and duplicate samples are provided in **Table 14** to **Table 18**.

Laboratory Duplicate Samples

Laboratory Duplicate Samples are usually supplied to the laboratory and analysed at a frequency of one (1) for every twenty (10) samples. The RPD difference between the primary samples and the intra-laboratory duplicate samples was within acceptable limits. The RPD difference between the primary samples and inter-laboratory samples exceeded the acceptance criteria for three heavy metals, however, this can be attributed to the heterogeneity of the samples and the difficulty of repeating the same sample.

Table 14. RPD comparison between primary samples (TP05) and laboratory duplicate samples

Analyte	LOR	ST-1741-TP05 (0.25m)	ST-1741-BR1	RPD%	DQI met	ST-1741-SR1	RPD%	DQI met
Arsenic	1	6	6	0	Yes	78.6	36	Yes
Cadmium	0.3	<0.3	<0.3	NA	Yes	<0.4	NA	Yes
Chromium (total)	0.5	37	33	11	Yes	41	10	No
Copper	0.5	8.1	8.3	2	Yes	14	**53**	**No**
Lead	1	18	16	12	Yes	23	24	Yes
Mercury	0.05	<0.05	<0.05	NA	Yes	<0.1	NA	Yes
Nickel	0.5	6.3	7.8	21	Yes	12	**62**	**No**
Zinc	2	13	14	7	Yes	24	59	Yes
Benzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Toluene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Ethylbenzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Xylene	0.3	<0.3	<0.3	NA	Yes	<0.3	NA	Yes
Benzo(a)pyrene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Total PAH	0.8	<0.8	<0.8	NA	Yes	<0.8	NA	Yes
TRH C6-C10	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C10-C16	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C16-C34	90	<90	<90	NA	Yes	<90	NA	Yes
TRH C34-C40	120	<120	<120	NA	Yes	<120	NA	Yes

NA- Analyte concentrations below LOR and hence no RPD was calculated

Table 15. RPD comparison between primary samples (TP15) and laboratory duplicate samples

Analyte	LOR	ST-1741-TP15 (0.25m)	ST-1741-BR2	RPD%	DQI met	ST-1741-SR2	RPD%	DQI met
Arsenic	1	3	4	29	Yes	5.2	54	Yes
Cadmium	0.3	<0.3	<0.3	NA	Yes	<0.4	NA	Yes
Chromium (total)	0.5	29	30	3	Yes	47	47	Yes
Copper	0.5	21	23	9	Yes	27	25	Yes
Lead	1	15	29	24	Yes	20	29	Yes
Mercury	0.05	0.3	0.31	3	Yes	0.3	0	Yes
Nickel	0.5	6.8	8.2	19	Yes	11	47	Yes
Zinc	2	16	17	6	Yes	22	32	Yes
Benzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes

Analyte	LOR	ST-1741-TP15 (0.25m)	ST-1741-BR2	RPD%	DQI met	ST-1741-SR2	RPD%	DQI met
Toluene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Ethylbenzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Xylene	0.3	<0.3	<0.3	NA	Yes	<0.3	NA	Yes
Benzo(a)pyrene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Total PAH	0.8	<0.8	<0.8	NA	Yes	<0.8	NA	Yes
TRH C6-C10	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C10-C16	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C16-C34	90	<90	<90	NA	Yes	<90	NA	Yes
TRH C34-C40	120	<120	<120	NA	Yes	<120	NA	Yes

Table 16. RPD comparison between primary samples (TP25) and laboratory duplicate samples

Analyte	LOR	ST-1741-TP25 (0.75m)	ST-1741-BR3	RPD%	DQI met	ST-1741-SR3	RPD%	DQI met
Arsenic	1	4	3	29	Yes	4	0	Yes
Cadmium	0.3	<0.3	<0.3	NA	Yes	<0.4	NA	Yes
Chromium (total)	0.5	42	65	43	Yes	46	9	Yes
Copper	0.5	14	19	30	Yes	26	**60**	**No**
Lead	1	13	18	32	Yes	22	50	Yes
Mercury	0.05	<0.05	0.22	NA	Yes	0.4	NA	Yes
Nickel	0.5	11	9.2	18	Yes	13	17	Yes
Zinc	2	16	16	0	Yes	21	27	Yes
Benzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Toluene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Ethylbenzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Xylene	0.3	<0.3	<0.3	NA	Yes	<0.3	NA	Yes
Benzo(a)pyrene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Total PAH	0.8	<0.8	<0.8	NA	Yes	<0.8	NA	Yes
TRH C6-C10	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C10-C16	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C16-C34	90	<90	<90	NA	Yes	<90	NA	Yes
TRH C34-C40	120	<120	<120	NA	Yes	<120	NA	Yes

Table 17. RPD comparison between primary samples (TP42) and laboratory duplicate samples

Analyte	LOR	ST-1741-TP42 (0.25m)	ST-1741-BR4	RPD%	DQI met	ST-1741-SR4	RPD%	DQI met
Arsenic	1	2	3	40	Yes	4.6	79	Yes
Cadmium	0.3	<0.3	<0.3	NA	Yes	<0.4	NA	Yes
Chromium (total)	0.5	53	39	30	Yes	96	**58**	**No**
Copper	0.5	12	13	8	Yes	19	45	Yes
Lead	1	16	19	17	Yes	21	27	Yes
Mercury	0.05	<0.05	0.2	NA	Yes	0.1	NA	Yes
Nickel	0.5	12	8.3	36	Yes	15	22	Yes
Zinc	2	18	17	6	Yes	23	24	Yes
Benzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes

Analyte	LOR	ST-1741-TP42 (0.25m)	ST-1741-BR4	RPD%	DQI met	ST-1741-SR4	RPD%	DQI met
Toluene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Ethylbenzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Xylene	0.3	<0.3	<0.3	NA	Yes	<0.3	NA	Yes
Benzo(a)pyrene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Total PAH	0.8	<0.8	<0.8	NA	Yes	<0.8	NA	Yes
TRH C6-C10	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C10-C16	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C16-C34	90	<90	<90	NA	Yes	<90	NA	Yes
TRH C34-C40	120	<120	<120	NA	Yes	<120	NA	Yes

Table 18. RPD comparison between primary samples (TP45) and laboratory duplicate samples

Analyte	LOR	ST-1741-TP45 (0.25m)	ST-1741-BR5	RPD%	DQI met	ST-1741-SR5	RPD%	DQI met
Arsenic	1	3	3	40	Yes	4.5	40	Yes
Cadmium	0.3	<0.3	<0.3	NA	Yes	<0.4	NA	Yes
Chromium (total)	0.5	93	81	34	Yes	66	34	Yes
Copper	0.5	13	14	42	Yes	20	42	Yes
Lead	1	13	16	47	Yes	21	47	Yes
Mercury	0.05	<0.05	<0.05	NA	Yes	<0.1	NA	Yes
Nickel	0.5	11	12	48	Yes	18	48	Yes
Zinc	2	17	21	45	Yes	27	45	Yes
Benzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Toluene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Ethylbenzene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Xylene	0.3	<0.3	<0.3	NA	Yes	<0.3	NA	Yes
Benzo(a)pyrene	0.1	<0.1	<0.1	NA	Yes	<0.1	NA	Yes
Total PAH	0.8	<0.8	<0.8	NA	Yes	<0.8	NA	Yes
TRH C6-C10	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C10-C16	25	<25	<25	NA	Yes	<25	NA	Yes
TRH C16-C34	90	<90	<90	NA	Yes	<90	NA	Yes
TRH C34-C40	120	<120	<120	NA	Yes	<120	NA	Yes

RPD exceedances were detected for four analytes, this can be attributed to the heterogeneity of the soil sample. The accuracy and precision of the soil testing procedures, as inferred by the QA/QC data, are considered to be of sufficient standard to enable the data to be used for the interpretation of soil contamination conditions.

Appendix V

Laboratory Results Summary Table

K2 CONSULTING GROUP			Metals and Metalloids										TRH						BTEX				PAH																		OCP								OPP	Asbestos
			Arsenic	Cadmium	Total Chromium	Chromium VI	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	ASLP (Zn)	TRH C6 - C9	TRH C10-C14	F1 ((C6-C10)- BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	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	PAH (Total)	Carcinogenic PAHs as B(a)P TEQ	DDT+DDE+DDD	Aldrin & Dieldrin	Total Chlordane	Total Endosulfan	Endrin	Heptachlor	Hexachlorobenzene	Methoxychlor	Chlorpyriphos	Asbestos (50 g)
		LOR	1	0.3	0.5	0.5	0.5	1	0.05	0.5	2	0.01	20	20	25	25	90	120	0.1	0.1	0.1	0.3	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.80	0.20	0.30	0.30	0.10	0.10	0.20	0.10	0.10	0.10	0.20	N
Sample ID	Depth	Sample	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
HIL A (Residential) (NEPM schedule-b1)			100	20	-	100	6000	300	40	400	7400		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	3	240	6	50	270	10	6	10	300	160	
HSL A (Low-Density Residential) (NEPM schedule-b1)	0- <1m	Clay	-	-	-	-	-	-	-	-	-		-	-	50	280	-	-	0.7	480	NL	110	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Management Limit (NEPM schedule-b1) (Fine soils)			-	-	-	-	-	-	-	-	-		-	-	800	1000	3500	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HSL (Direct soil contact) (NEPM schedule-b1) (Fine soils)			-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	100	14000	4500	12000	-	-	-	-	-	-	-	-	-	-	-	-	-	1400	-	-	-	-	-	-	-	-	-	-	-	-	-	
EILs (NEPM schedule-b1) - Site specific			100	-	-	-	40	1100	-	70	200		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESLs (NEPM schedule-b1)			-	-	-	-	-	-	-	-	-		-	-	180	120	1300	5600	65	105	125	45	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ST-1741-TP01	0.3	23.01.2024	6	<0.3	17	NA	11	19	<0.05	4.3	22	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP02	0.8	23.01.2024	9	<0.3	14	NA	7.9	11	<0.05	4.5	13	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP03	0.3	23.01.2024	6	<0.3	22	NA	9.5	14	<0.05	4.2	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP04	0.3	23.01.2024	5	<0.3	23	NA	7.5	15	<0.05	4.0	11	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP05	0.25	23.01.2024	6	<0.3	37	NA	8.1	18	<0.05	6.3	13	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP06	0.25	23.01.2024	5	<0.3	15	NA	8.6	21	<0.05	3.7	11	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP07	0.3	23.01.2024	4	<0.3	24	NA	11	17	0.07	6.5	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP08	0.8	23.01.2024	5	<0.3	20	NA	6.5	11	<0.05	3.3	11	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP09	0.3	23.01.2024	3	<0.3	19	NA	12	15	0.18	3.8	11	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP10	0.3	23.01.2024	3	<0.3	19	NA	6.7	19	0.12	4.1	10	NA	<20	22	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP11	0.3	23.01.2024	3	<0.3	13	NA	11	14	0.19	3	10	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP12	0.3	23.01.2024	4	<0.3	26	NA	21	20	0.17	5.5	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP13	0.3	23.01.2024	5	<0.3	18	NA	17	20	0.12	5.2	14	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP14	0.3	23.01.2024	4	<0.3	35	NA	20	16	0.24	6.7	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP15	0.25	23.01.2024	3	<0.3	29	NA	21	15	0.3	6.8	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP16	0.3	23.01.2024	3	<0.3	17	NA	11	14	0.11	4.9	13	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP17	0.8	23.01.2024	3	<0.3	23	NA	6.8	10	<0.05	4.7	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP18	0.25	23.01.2024	6	<0.3	26	NA	18	30	0.36	5.9	18	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP19	0.8	23.01.2024	3	<0.3	67	NA	11	11	0.05	7.1	13	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.5	-
ST-1741-TP20	0.2	23.01.2024	2	<0.3	32	NA	12	15	0.07	7.5	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP21	0.2	23.01.2024	4	<0.3	46	NA	16	15	<0.05	7.8	17	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP22	0.25	23.01.2024	3	<0.3	28	NA	17	15	0.17	6.7	14	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP23	0.25	23.01.2024	3	<0.3	31	NA	18	15	0.25	6.5	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP24	0.8	23.01.2024	3	<0.3	32	NA	10	11	<0.05	7.1	14	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP25	0.75	23.01.2024	4	<0.3	42	NA	14	13	<0.05	11	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP26	0.3	23.01.2024	3	<0.3	38	NA	25	16	0.29	12	23	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP27	0.3	23.01.2024	4	<0.3	20	NA	25	18	0.33	6.4	17	NA	<20	<20	<25	<25	99	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP28	0.8	23.01.2024	3	<0.3	38	NA	9.1	12	<0.05	5.8	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP29	0.25	23.01.2024	3	<0.3	44	NA	12	14	0.07	7.7	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP30	0.25	23.01.2024	2	<0.3	44	NA	17	15	0.18	9.3	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP31	0.25	23.01.2024	3	<0.3	64	NA	20	15	0.32	11	18	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP31	0.8	23.01.2024	2	<0.3	140	<0.5	13	10	<0.05	18	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP33	0.25	23.01.2024	3	<0.3	50	NA	15	13	<0.05	9.5	17	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP34	0.25	23.01.2024	4	<0.3	70	NA	25	21	0.21	14	21	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP35	0.25	23.01.2024	3	<0.3	38	NA	13	17	0.21	7.4	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP36	0.8	23.01.2024	5	<0.3	72	NA	7.7	11	<0.05	5.9	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-TP37	0.2	24.01.2024	2	<0.3	42	NA	10	12	<0.05	11	12	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP38	0.2	24.01.2024	2	<0.3	37	NA	15	15	<0.05	10	140	NA	<20	<20	<25	<25	<90	<120	0.3	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP39	0.8	24.01.2024	3	<0.3	74	NA	12	18	<0.05	9.9	20	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP40	0.2	24.01.2024	4	<0.3	23	NA	13	17	<0.05	7.4	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP41	0.3	24.01.2024	4	<0.3	36	NA	12	14	<0.05	8.3	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP42	0.25	24.01.2024	2	<0.3	53	NA	12	16	<0.05	12	18	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP43	0.3	24.01.2024	5	<0.3	64	NA	17	16	<0.05	7.7	21	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP44	0.3	24.01.2024	4	<0.3	60	NA	13	16	<0.05	9.8	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP45	0.25	24.01.2024	3	<0.3	93	NA	13	13	<0.05	11	17	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP46	0.2	24.01.2024	3	<0.3	47	NA	15	15	<0.05	14	25	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP47	0.75	24.01.2024	3	<0.3	83	NA	17	12	<0.05	18	19	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP48	0.3	24.01.2024	4	<0.3	220	<0.5	23	14	<0.05	41	35	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP49	0.3	24.01.2024	4	<0.3	220	<0.5	31	13	<0.05	52	44	NA	<20	<20	<25	<25	310	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP50	0.3	24.01.2024	3	<0.3	87	NA	22	14	<0.05	24	30	NA	<20	<20	<25	<25	92	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP51	0.3	24.01.2024	3	<0.3	29	NA	22	13	<0.05	12	140	NA	<20	<20	<25	<25	<90	<120	0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-TP52	0.2	24.01.2024	20	<0.3	50	NA	30	14	<0.05	12	41	NA	<20	<20	<25	<25	<90	<120	0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-1A	-	24.01.2024	3	<0.3	79	NA	19	16	<0.05	26	44	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-1B	-	24.01.2024	3	<0.3	190	<0.5	17	14	<0.05	18	40	NA	<20	<20	<25	<25	92	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-1C	-	24.01.2024	4	<0.3	120	<0.5	23	15	<0.05	35	610	0.06	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-2A	-	24.01.2024	2	<0.3	40	NA	12	13	<0.05	9.1	17	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-2B	-	24.01.2024	2	<0.3	48	NA	11	14	<0.05	8.2	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-2C	-	24.01.2024	3	<0.3	54	NA	12	13	<0.05	9	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-STK-2D	-	24.01.2024	2	<0.3	56	NA	11	13	<0.05	8.5	15	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	NAD
ST-1741-BR1	-	23.01.2024	6	<0.3	33	NA	8.3	16	<0.05	7.8	14	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-BR2	-	23.01.2024	4	<0.3	30	NA	23	19	0.31	8.2	17	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-BR3	-	23.01.2024	3	<0.3	65	NA	19	18	0.22	9.2	16	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-BR4	-	23.01.2024	3	<0.3	39	NA	13	19	0.2	8.3	17	NA	<20	25	<25	28	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-BR5	-	24.01.2024	3	<0.3	81	NA	14	16	<0.05	12	21	NA	<20	<20	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.8	<0.2	<0.3	<0.3	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	-
ST-1741-SR1	-	23.01.2024	8.6	< 0.4	41	NA	14	23	< 0.1	12	24	NA	< 20	< 20	< 20	< 50	< 100	< 100	<0.1	< 0.1	< 0.1	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-
ST-1741-SR2	-	23.01.2024	5.2	< 0.4	47	NA	27	20	0.3	11	22	NA	< 20	< 20	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.19	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-
ST-1741-SR3	-	23.01.2024	4	< 0.4	46	NA	26	22	0.4	13	21	NA	< 20	< 20	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.28	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-
ST-1741-SR4	-	23.01.2024	4.6	< 0.4	96	NA	19	21	0.1	15	23	NA	< 20	< 20	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.07	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-
ST-1741-SR5	-	24.01.2024	4.5	< 0.4	66	NA	20	21	< 0.1	18	27	NA	< 20	22	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-
RPD1 (Primary sample: ST-1741-TP05 (0.25m) and Intra-lab duplicate: ST-1741-BR1)			0	0	11	0	2	12	0	21	7	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD2 (Primary sample: ST-1741-TP05 (0.25m) and Intra-lab duplicate: ST-1741-SR1)			36	0	10	0	53	24	0	62	59	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD3 (Primary sample: ST-1741-TP15 (0.25m) and Intra-lab duplicate: ST-1741-BR2)			29	0	3	0	9	24	3	19	6	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD4 (Primary sample: ST-1741-TP15 (0.25m) and Intra-lab duplicate: ST-1741-SR2)			54	0	47	0	25	29	0	47	32	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD5 (Primary sample: ST-1741-TP25 (0.75m) and Intra-lab duplicate: ST-1741-BR3)			29	0	43	0	30	32	0	18	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD6 (Primary sample: ST-1741-TP25 (0.75m) and Intra-lab duplicate: ST-1741-SR3)			0	0	9	0	60	51	0	17	27	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD7 (Primary sample: ST-1741-TP42 (0.25m) and Intra-lab duplicate: ST-1741-BR4)			40	0	30	0	-8	17	0	36	6	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD8 (Primary sample: ST-1741-TP42 (0.25m) and Intra-lab duplicate: ST-1741-SR4)			79	0	58	0	45	27	0	22	24	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD9 (Primary sample: ST-1741-TP45 (0.25m) and Intra-lab duplicate: ST-1741-BR5)			40	0	34	0	42	47	0	48	45	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RPD10 (Primary sample: ST-1741-TP45 (0.25m) and Intra-lab duplicate: ST-1741-SR5)			40	0	34	0	42	47	0	48	45	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Summary of Laboratory Analytical Results for ST-1741 (100 McDonald Street, Crookwell NSW)

Sample ID		Sampling date	Heavy Metals						PAHs		BTEX				TRHs		OCPs	OPPs	Total PCBs	Asbestos
			As	Cd	Cr VI	Pb	Ni	Hg	Benzo(a)pyrene	Total PAHs	Benzene	Toluene	Ethylbenzene	Total Xylenes	C_6 - C_9	C_{10} - C_{36}				
Waste Classification Assessment Criteria	NSW EPA 2014 General Solid Waste	CT1 (mg/kg) [1]	100	20	100 [5]	100	40	4	0.8	200	10	288	600	1,000	650	10,000	<50	250	<50	NR
		TCLP1 (mg/L)	5	1	5	5	2	0.2	0.04	NR	0.5	14.4	30	50	NR	NR	NR	NR	NR	NR
		SCC1 (mg/kg) [2]	500	100	1,900	1,500	1,050	50	10	200	18	518	1,080	1,800	650	10,000	<50	250	<50	NR
	NSW EPA 2014 Restricted Solid Waste	CT2 (mg/kg) [3]	400	80	400 [5]	400	160	16	3.2	800	40	1,152	2,400	4,000	2,600	40,000	<50	1000	<50	NR
		TCLP2 (mg/L)	20	4	20	20	8	0.8	0.16	NR	2	58	120	200	NR	NR	NR	NR	NR	NR
		SCC2 (mg/kg) [4]	2,000	400	7,600	6,000	4,200	200	23	800	72	2,073	4,320	7,200	2,600	40,000	<50	1000	<50	NR
	Special Waste / Scheduled Waste																> 2 mg/kg - Scheduled Waste [5]		> 2 mg/kg - PCB Waste [6]	Where detected classification is Special Waste (Asbestos Waste)
ST-1741-STK-1A		24/01/2024	3	<0.3	79*	11	16	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	230	<1	<1.7	NA	No
ST-1741-STK-1B			3	<0.3	<0.5	13	14	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
ST-1741-STK-1C			4	<0.3	<0.5	15	35	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
ST-1741-STK-2A			2	<0.3	40*	13	9.1	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
ST-1741-STK-2B			2	<0.3	48*	14	8.2	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
ST-1741-STK-2C			3	<0.3	54*	13	9	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
ST-1741-STK-2D			2	<0.3	56*	13	8.5	<0.05	<0.1	<0.8	<0.1	<0.1	<0.1	<0.3	<20	<110	<1	<1.7	NA	No
			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
95% UCL [7]			NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Waste Classification			General Solid Waste																	

Note:

NA	Not Analysed
NC	Not Calculated
NR	No reference criteria available in current regulatory tools.
#	Scheduled Chemicals: Where none detected the LOR has been used to sum
*	Total Chromium only
**	Moderately Harmful Pesticides
1	NSW EPA 2014 CT1 General Solid Waste Thresholds (without leachate test), in Waste Classification Guidelines, Table 1
2	NSW EPA 2014 CT2 Maximum values for Leachable concentration and specific contaminant concentration for Restricted Solid Waste Thresholds, Waste Classification Guidelines Table 1
3	NSW EPA 2014 TCLP1/SCC1 General Solid Waste Thresholds (leachable concentration and total concentration when used together), in Waste Classification Guidelines Table 2
4	NSW EPA 2014 CT1 Maximum values for Leachable concentration and specific contaminant concentration for Restricted Solid Waste Thresholds, Waste Classification Guidelines Table 2
5	NSW EPA Scheduled Chemical Wastes Chemical Control Order 2004. Section 4.14
6	NSW EPA Polychlorinated Biphenyl (PCB) Chemical Control Order 1997. Where PCBs are reported at concentrations >2 mg/kg and <50 mg/kg, material is *non-scheduled PCB waste* . Where PCBs are reported at concentrations >50 mg/kg, material is *scheduled PCB waste* .
7	95% UCL only performed for analyte where soil concentrations exceed waste classification criteria in samples

General Solid Waste
Restricted Solid Waste Criteria
Hazardous Waste
Special Waste

Appendix VI

Laboratory Report

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Kannan Kaliappan
Client	K2 CONSULTING GROUP
Address	Suite 222, Building B 20 Lexingon Drive Bella Vista NSW 2153
Telephone	0449 669 559
Facsimile	(Not specified)
Email	kannan@k2consultinggroup.com.au
Project	**ST-1741 (100 McDonald Street, Crookwell**
Order Number	**ST-1741**
Samples	70

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE259696 R0**
Date Received	25/1/2024
Date Reported	6/2/2024

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

% Clay subcontracted to SGS Cairns, 2/58 Comport St, Portsmith QLD 4870, NATA Accreditation Number: 2562, Site Number: 3146. Report No. CE172668.

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Bennet LO
Senior Chemist

Dong LIANG
Metals/Inorganics Team Leader

Huong CRAWFORD
Production Manager

Kamrul AHSAN
Senior Chemist

Ly Kim HA
Organic Section Head

Shane MCDERMOTT
Inorganic/Metals Chemist

Ying Ying ZHANG
Laboratory Technician

VOC's in Soil [AN433] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

VOC's in Soil [AN433] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Benzene	mg/kg	0.1	<0.1	<0.1	**0.3**	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

VOC's in Soil [AN433] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Benzene	mg/kg	0.1	**0.1**	**0.1**	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

VOC's in Soil [AN433] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067	Trip Blank SOIL - 24/1/24 12:00 SE259696.069
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6

PARAMETER	UOM	LOR	Trip Spike SOIL - 24/1/24 12:00 SE259696.070
Benzene	mg/kg	0.1	[102%]
Toluene	mg/kg	0.1	[103%]
Ethylbenzene	mg/kg	0.1	[103%]
m/p-xylene	mg/kg	0.2	[102%]
o-xylene	mg/kg	0.1	[103%]
Naphthalene (VOC)*	mg/kg	0.1	-
Total Xylenes*	mg/kg	0.3	-
Total BTEX*	mg/kg	0.6	-

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	**0.3**	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Benzene (F0)	mg/kg	0.1	**0.1**	**0.1**	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067	Trip Blank SOIL - 24/1/24 12:00 SE259696.069
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	**22**
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	**52**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	**67**	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	**99**	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	**150**	**46**
TRH C29-C36	mg/kg	45	<45	<45	<45	**200**	**51**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	**310**	**92**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	**350**	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	**310**	<210

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
TRH C10-C14	mg/kg	20	**25**	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**55**	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	**72**	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	**28**	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	**28**	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	**92**	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067	Trip Blank SOIL - 24/1/24 12:00 SE259696.069
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067	Trip Blank SOIL - 24/1/24 12:00 SE259696.069
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8	<0.8

OC Pesticides in Soil [AN420] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	**0.2**	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	**0.1**	**0.4**	**0.1**	**0.2**	**0.3**
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	**0.6**	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	**0.3**	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	**0.2**	**0.2**	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	**0.2**	<0.1	<0.1	**0.3**	**0.3**
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	**0.2**	**0.1**
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	**0.2**	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1

OP Pesticides in Soil [AN420] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0 25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7

pH in soil (1:5) [AN101] Tested: 30/1/2024

PARAMETER	UOM	LOR	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049
pH (CaCl2)*	pH Units	0.1	**4.0**	**4.5**	**5.1**

Exchangeable Cations and Cation Exchange Capacity (CEC/ESP/SAR) [AN122] Tested: 2/2/2024

PARAMETER	UOM	LOR	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049
Exchangeable Calcium, Ca	mg/kg	2	110	670	1300
Exchangeable Calcium, Ca	meq/100g	0.01	0.53	3.3	6.7
Exchangeable Calcium Percentage*	%	0.1	26.0	45.6	61.7
Exchangeable Potassium, K	mg/kg	2	59	110	300
Exchangeable Potassium, K	meq/100g	0.01	0.15	0.27	0.77
Exchangeable Potassium Percentage*	%	0.1	7.4	3.8	7.1
Exchangeable Magnesium, Mg	mg/kg	2	150	390	380
Exchangeable Magnesium, Mg	meq/100g	0.02	1.2	3.2	3.1
Exchangeable Magnesium Percentage*	%	0.1	58.6	43.4	28.3
Exchangeable Sodium, Na	mg/kg	2	37	120	74
Exchangeable Sodium, Na	meq/100g	0.01	0.16	0.53	0.32
Exchangeable Sodium Percentage*	%	0.1	8.0	7.2	3.0
Cation Exchange Capacity	meq/100g	0.02	2.0	7.3	11

TOC in Soil [AN188] Tested: 2/2/2024

PARAMETER	UOM	LOR	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049
Total Organic Carbon	%w/w	0.05	**0.12**	**0.34**	**0.51**
Organic Matter (calc)*	%w/w	0.1	**0.2**	**0.6**	**0.9**

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Arsenic, As	mg/kg	1	6	9	6	5	6
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	17	14	22	23	37
Copper, Cu	mg/kg	0.5	11	7.9	9.5	7.5	8.1
Lead, Pb	mg/kg	1	19	11	14	15	18
Nickel, Ni	mg/kg	0.5	4.3	4.5	4.2	4.0	6.3
Zinc, Zn	mg/kg	2	22	13	12	11	13
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Arsenic, As	mg/kg	1	5	4	5	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	15	24	20	19	19
Copper, Cu	mg/kg	0.5	8.6	11	6.5	12	6.7
Lead, Pb	mg/kg	1	21	17	11	15	19
Nickel, Ni	mg/kg	0.5	3.7	6.5	3.3	3.8	4.1
Zinc, Zn	mg/kg	2	11	12	11	11	10
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015
Arsenic, As	mg/kg	1	3	-	4	5	4
Cadmium, Cd	mg/kg	0.3	<0.3	-	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	13	-	26	18	35
Copper, Cu	mg/kg	0.5	11	-	21	17	20
Lead, Pb	mg/kg	1	14	-	20	20	16
Nickel, Ni	mg/kg	0.5	3.0	-	5.5	5.2	6.7
Zinc, Zn	mg/kg	2	10	-	15	14	15
Iron, Fe	mg/kg	50	-	16000	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020
Arsenic, As	mg/kg	1	3	3	3	6	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	29	17	23	26	67
Copper, Cu	mg/kg	0.5	21	11	6.8	18	11
Lead, Pb	mg/kg	1	15	14	10	30	11
Nickel, Ni	mg/kg	0.5	6.8	4.9	4.7	5.9	7.1
Zinc, Zn	mg/kg	2	16	13	12	18	13
Iron, Fe	mg/kg	50	-	-	-	-	-

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 29/1/2024

(continued)

PARAMETER	UOM	LOR	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025
Arsenic, As	mg/kg	1	2	4	3	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	32	46	28	31	32
Copper, Cu	mg/kg	0.5	12	16	17	18	10
Lead, Pb	mg/kg	1	15	15	15	15	11
Nickel, Ni	mg/kg	0.5	7.5	7.8	6.7	6.5	7.1
Zinc, Zn	mg/kg	2	16	17	14	16	14
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0.25m SOIL - 24/1/24 12:00 SE259696.030
Arsenic, As	mg/kg	1	4	3	4	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	42	38	20	38	44
Copper, Cu	mg/kg	0.5	14	25	25	9.1	12
Lead, Pb	mg/kg	1	13	16	18	12	14
Nickel, Ni	mg/kg	0.5	11	12	6.4	5.8	7.7
Zinc, Zn	mg/kg	2	16	23	17	12	12
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035
Arsenic, As	mg/kg	1	2	3	2	-	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	-	<0.3
Chromium, Cr	mg/kg	0.5	44	64	140	-	50
Copper, Cu	mg/kg	0.5	17	20	13	-	15
Lead, Pb	mg/kg	1	15	15	10	-	13
Nickel, Ni	mg/kg	0.5	9.3	11	18	-	9.5
Zinc, Zn	mg/kg	2	15	18	15	-	17
Iron, Fe	mg/kg	50	-	-	-	50000	-

PARAMETER	UOM	LOR	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040
Arsenic, As	mg/kg	1	4	3	5	2	2
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	70	38	72	42	37
Copper, Cu	mg/kg	0.5	25	13	7.7	10	15
Lead, Pb	mg/kg	1	21	17	11	12	15
Nickel, Ni	mg/kg	0.5	14	7.4	5.9	11	10
Zinc, Zn	mg/kg	2	21	16	12	12	140
Iron, Fe	mg/kg	50	-	-	-	-	-

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 29/1/2024

(continued)

PARAMETER	UOM	LOR	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045
Arsenic, As	mg/kg	1	3	4	4	2	5
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	74	23	36	53	64
Copper, Cu	mg/kg	0.5	12	13	12	12	17
Lead, Pb	mg/kg	1	18	17	14	16	16
Nickel, Ni	mg/kg	0.5	9.9	7.4	8.3	12	7.7
Zinc, Zn	mg/kg	2	20	15	16	18	21
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050
Arsenic, As	mg/kg	1	4	3	3	-	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	-	<0.3
Chromium, Cr	mg/kg	0.5	60	93	47	-	83
Copper, Cu	mg/kg	0.5	13	13	15	-	17
Lead, Pb	mg/kg	1	16	13	15	-	12
Nickel, Ni	mg/kg	0.5	9.8	11	14	-	18
Zinc, Zn	mg/kg	2	16	17	25	-	19
Iron, Fe	mg/kg	50	-	-	-	80000	-

PARAMETER	UOM	LOR	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055
Arsenic, As	mg/kg	1	4	4	3	3	20
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	220	220	87	29	50
Copper, Cu	mg/kg	0.5	23	31	22	22	30
Lead, Pb	mg/kg	1	14	13	14	13	14
Nickel, Ni	mg/kg	0.5	41	52	24	12	12
Zinc, Zn	mg/kg	2	35	44	30	140	41
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060
Arsenic, As	mg/kg	1	6	4	3	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	33	30	65	39	81
Copper, Cu	mg/kg	0.5	8.3	23	19	13	14
Lead, Pb	mg/kg	1	16	19	18	19	16
Nickel, Ni	mg/kg	0.5	7.8	8.2	9.2	8.3	12
Zinc, Zn	mg/kg	2	14	17	16	17	21
Iron, Fe	mg/kg	50	-	-	-	-	-

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 29/1/2024

(continued)

PARAMETER	UOM	LOR	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065
Arsenic, As	mg/kg	1	3	3	4	2	2
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	79	190	120	40	48
Copper, Cu	mg/kg	0.5	19	17	23	12	11
Lead, Pb	mg/kg	1	16	14	15	13	14
Nickel, Ni	mg/kg	0.5	26	18	35	9.1	8.2
Zinc, Zn	mg/kg	2	44	40	610	17	15
Iron, Fe	mg/kg	50	-	-	-	-	-

PARAMETER	UOM	LOR	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067
Arsenic, As	mg/kg	1	3	2
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	54	56
Copper, Cu	mg/kg	0.5	12	11
Lead, Pb	mg/kg	1	13	13
Nickel, Ni	mg/kg	0.5	9.0	8.5
Zinc, Zn	mg/kg	2	15	15
Iron, Fe	mg/kg	50	-	-

Mercury in Soil [AN312] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
Mercury	mg/kg	0.05	<0.05	**0.07**	<0.05	**0.18**	**0.12**

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016
Mercury	mg/kg	0.05	**0.19**	**0.17**	**0.12**	**0.24**	**0.30**

PARAMETER	UOM	LOR	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021
Mercury	mg/kg	0.05	**0.11**	<0.05	**0.36**	**0.05**	**0.07**

PARAMETER	UOM	LOR	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026
Mercury	mg/kg	0.05	<0.05	**0.17**	**0.25**	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0.25m SOIL - 24/1/24 12:00 SE259696.030	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031
Mercury	mg/kg	0.05	**0.29**	**0.33**	<0.05	**0.07**	**0.18**

PARAMETER	UOM	LOR	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037
Mercury	mg/kg	0.05	**0.32**	<0.05	<0.05	**0.21**	**0.21**

Mercury in Soil [AN312] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	**0.31**	**0.22**

PARAMETER	UOM	LOR	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063
Mercury	mg/kg	0.05	**0.20**	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05

Moisture Content [AN002] Tested: 29/1/2024

PARAMETER	UOM	LOR	ST-1741-TP01 (0.3m SOIL - 24/1/24 12:00 SE259696.001	ST-1741-TP02 (0.8m SOIL - 24/1/24 12:00 SE259696.002	ST-1741-TP03 (0.3m SOIL - 24/1/24 12:00 SE259696.003	ST-1741-TP04 (0.3m SOIL - 24/1/24 12:00 SE259696.004	ST-1741-TP05 (0.25m SOIL - 24/1/24 12:00 SE259696.005
% Moisture	%w/w	1	17.1	14.8	15.1	16.4	17.1

PARAMETER	UOM	LOR	ST-1741-TP06 (0.25m SOIL - 24/1/24 12:00 SE259696.006	ST-1741-TP07 (0.3m SOIL - 24/1/24 12:00 SE259696.007	ST-1741-TP08 (0.8m SOIL - 24/1/24 12:00 SE259696.008	ST-1741-TP09 (0.3m SOIL - 24/1/24 12:00 SE259696.009	ST-1741-TP10 (0.3m SOIL - 24/1/24 12:00 SE259696.010
% Moisture	%w/w	1	20.1	19.1	22.4	14.7	16.8

PARAMETER	UOM	LOR	ST-1741-TP11 (0.3m SOIL - 24/1/24 12:00 SE259696.011	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP12 (0.3m SOIL - 24/1/24 12:00 SE259696.013	ST-1741-TP13 (0.3m SOIL - 24/1/24 12:00 SE259696.014	ST-1741-TP14 (0.3m SOIL - 24/1/24 12:00 SE259696.015
% Moisture	%w/w	1	14.1	16.2	12.1	15.6	19.8

PARAMETER	UOM	LOR	ST-1741-TP15 (0.25m SOIL - 24/1/24 12:00 SE259696.016	ST-1741-TP16 (0.3m SOIL - 24/1/24 12:00 SE259696.017	ST-1741-TP17 (0.8m SOIL - 24/1/24 12:00 SE259696.018	ST-1741-TP18 (0.25m SOIL - 24/1/24 12:00 SE259696.019	ST-1741-TP19 (0.8m SOIL - 24/1/24 12:00 SE259696.020
% Moisture	%w/w	1	15.4	17.7	18.2	19.1	20.7

PARAMETER	UOM	LOR	ST-1741-TP20 (0.2m SOIL - 24/1/24 12:00 SE259696.021	ST-1741-TP21 (0.2m SOIL - 24/1/24 12:00 SE259696.022	ST-1741-TP22 (0.25m SOIL - 24/1/24 12:00 SE259696.023	ST-1741-TP23 (0.25m SOIL - 24/1/24 12:00 SE259696.024	ST-1741-TP24 (0.8m SOIL - 24/1/24 12:00 SE259696.025
% Moisture	%w/w	1	14.0	15.1	13.0	16.0	23.9

PARAMETER	UOM	LOR	ST-1741-TP25 (0.75m SOIL - 24/1/24 12:00 SE259696.026	ST-1741-TP26 (0.3m SOIL - 24/1/24 12:00 SE259696.027	ST-1741-TP27 (0.3m SOIL - 24/1/24 12:00 SE259696.028	ST-1741-TP28 (0.8m SOIL - 24/1/24 12:00 SE259696.029	ST-1741-TP29 (0.25m SOIL - 24/1/24 12:00 SE259696.030
% Moisture	%w/w	1	25.8	22.6	16.0	23.9	18.1

PARAMETER	UOM	LOR	ST-1741-TP30 (0.25m SOIL - 24/1/24 12:00 SE259696.031	ST-1741-TP31 (0.25m SOIL - 24/1/24 12:00 SE259696.032	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696.033	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP33 (0.25m SOIL - 24/1/24 12:00 SE259696.035
% Moisture	%w/w	1	16.6	19.4	30.0	22.5	22.8

Moisture Content [AN002] Tested: 29/1/2024 (continued)

PARAMETER	UOM	LOR	ST-1741-TP34 (0.25m SOIL - 24/1/24 12:00 SE259696.036	ST-1741-TP35 (0.25m SOIL - 24/1/24 12:00 SE259696.037	ST-1741-TP36 (0.8m SOIL - 24/1/24 12:00 SE259696.038	ST-1741-TP37 (0.2m SOIL - 24/1/24 12:00 SE259696.039	ST-1741-TP38 (0.2m SOIL - 24/1/24 12:00 SE259696.040
% Moisture	%w/w	1	18.8	14.3	15.4	13.5	22.6

PARAMETER	UOM	LOR	ST-1741-TP39 (0.8m SOIL - 24/1/24 12:00 SE259696.041	ST-1741-TP40 (0.2m SOIL - 24/1/24 12:00 SE259696.042	ST-1741-TP41 (0.3m SOIL - 24/1/24 12:00 SE259696.043	ST-1741-TP42 (0.25m SOIL - 24/1/24 12:00 SE259696.044	ST-1741-TP43 (0.3m SOIL - 24/1/24 12:00 SE259696.045
% Moisture	%w/w	1	21.6	11.6	12.6	13.1	13.4

PARAMETER	UOM	LOR	ST-1741-TP44 (0.3m SOIL - 24/1/24 12:00 SE259696.046	ST-1741-TP45 (0.25m SOIL - 24/1/24 12:00 SE259696.047	ST-1741-TP46 (0.2m SOIL - 24/1/24 12:00 SE259696.048	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049	ST-1741-TP47 (0.75m SOIL - 24/1/24 12:00 SE259696.050
% Moisture	%w/w	1	10.6	13.5	18.0	26.8	22.2

PARAMETER	UOM	LOR	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696.052	ST-1741-TP50 (0.3m SOIL - 24/1/24 12:00 SE259696.053	ST-1741-TP51 (0.3m SOIL - 24/1/24 12:00 SE259696.054	ST-1741-TP52 (0.2m SOIL - 24/1/24 12:00 SE259696.055
% Moisture	%w/w	1	17.6	26.8	22.4	16.0	18.9

PARAMETER	UOM	LOR	ST-1741-BR1 SOIL - 24/1/24 12:00 SE259696.056	ST-1741-BR2 SOIL - 24/1/24 12:00 SE259696.057	ST-1741-BR3 SOIL - 24/1/24 12:00 SE259696.058	ST-1741-BR4 SOIL - 24/1/24 12:00 SE259696.059	ST-1741-BR5 SOIL - 24/1/24 12:00 SE259696.060
% Moisture	%w/w	1	21.0	20.6	17.9	16.8	12.3

PARAMETER	UOM	LOR	ST-1741-STK-1A SOIL - 24/1/24 12:00 SE259696.061	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696.063	ST-1741-STK-2A SOIL - 24/1/24 12:00 SE259696.064	ST-1741-STK-2B SOIL - 24/1/24 12:00 SE259696.065
% Moisture	%w/w	1	18.8	17.1	22.5	15.1	16.9

PARAMETER	UOM	LOR	ST-1741-STK-2C SOIL - 24/1/24 12:00 SE259696.066	ST-1741-STK-2D SOIL - 24/1/24 12:00 SE259696.067	Trip Blank SOIL - 24/1/24 12:00 SE259696.069
% Moisture	%w/w	1	13.3	7.9	<1.0

Particle sizing of soils by sieving [AN005] Tested: 5/2/2024

PARAMETER	UOM	LOR	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049
Passing 75µm*	%w/w	1	**51**	**93**	**87**
Retained 75µm*	%w/w	1	**49**	**7**	**13**

Particle sizing of soils <75µm by hydrometer [AN005] Tested: 5/2/2024

PARAMETER	UOM	LOR	ST-1741-TP11 (0.9m SOIL - 24/1/24 12:00 SE259696.012	ST-1741-TP32 (0.75m SOIL - 24/1/24 12:00 SE259696.034	ST-1741-TP46 (0.7m SOIL - 24/1/24 12:00 SE259696.049
Clay (<0.002mm)*	%w/w	0.1	**14**	**44**	**32**

VOCs in Water [AN433] Tested: 1/2/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Benzene	µg/L	0.5	<0.5
Toluene	µg/L	0.5	<0.5
Ethylbenzene	µg/L	0.5	<0.5
m/p-xylene	µg/L	1	<1
o-xylene	µg/L	0.5	<0.5
Total Xylenes	µg/L	1.5	<1.5
Total BTEX	µg/L	3	<3
Naphthalene (VOC)*	µg/L	0.5	<0.5

Volatile Petroleum Hydrocarbons in Water [AN433] Tested: 1/2/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
TRH C6-C9	µg/L	40	<40
Benzene (F0)	µg/L	0.5	<0.5
TRH C6-C10	µg/L	50	<50
TRH C6-C10 minus BTEX (F1)	µg/L	50	<50

TRH (Total Recoverable Hydrocarbons) in Water [AN403] Tested: 31/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
TRH C10-C14	µg/L	50	<50
TRH C15-C28	µg/L	200	<200
TRH C29-C36	µg/L	200	<200
TRH C37-C40	µg/L	200	<200
TRH >C10-C16	µg/L	60	<60
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	<60
TRH >C16-C34 (F3)	µg/L	500	<500
TRH >C34-C40 (F4)	µg/L	500	<500
TRH C10-C40	µg/L	320	<320

PAH (Polynuclear Aromatic Hydrocarbons) in Water [AN420] Tested: 31/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Naphthalene	µg/L	0.1	<0.1
2-methylnaphthalene	µg/L	0.1	<0.1
1-methylnaphthalene	µg/L	0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1
Fluorene	µg/L	0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1
Anthracene	µg/L	0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1
Pyrene	µg/L	0.1	<0.1
Benzo(a)anthracene	µg/L	0.1	<0.1
Chrysene	µg/L	0.1	<0.1
Benzo(b&j)fluoranthene	µg/L	0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1
Benzo(a)pyrene	µg/L	0.1	<0.1
Indeno(1,2,3-cd)pyrene	µg/L	0.1	<0.1
Dibenzo(ah)anthracene	µg/L	0.1	<0.1
Benzo(ghi)perylene	µg/L	0.1	<0.1
Total PAH (18)	µg/L	1	<1

Trace Metals (Dissolved) in Water by ICPMS [AN318] Tested: 30/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Arsenic	µg/L	1	<1
Cadmium	µg/L	0.1	<0.1
Chromium	µg/L	1	<1
Copper	µg/L	1	<1
Lead	µg/L	1	<1
Nickel	µg/L	1	<1
Zinc	µg/L	5	**6**

Mercury (dissolved) in Water [AN311(Perth)/AN312] Tested: 30/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Mercury	mg/L	0.0001	<0.0001

OC Pesticides in Water [AN420] Tested: 31/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Hexachlorobenzene (HCB)	µg/L	0.1	<0.1
Alpha BHC	µg/L	0.1	<0.1
Lindane (gamma BHC)	µg/L	0.1	<0.1
Heptachlor	µg/L	0.1	<0.1
Aldrin	µg/L	0.1	<0.1
Beta BHC	µg/L	0.1	<0.1
Delta BHC	µg/L	0.1	<0.1
Heptachlor epoxide	µg/L	0.1	<0.1
o,p'-DDE	µg/L	0.1	<0.1
Alpha Endosulfan	µg/L	0.1	<0.1
Gamma Chlordane	µg/L	0.1	<0.1
Alpha Chlordane	µg/L	0.1	<0.1
trans-Nonachlor	µg/L	0.1	<0.1
p,p'-DDE	µg/L	0.1	<0.1
Dieldrin	µg/L	0.1	<0.1
Endrin	µg/L	0.1	<0.1
o,p'-DDD	µg/L	0.1	<0.1
o,p'-DDT	µg/L	0.1	<0.1
Beta Endosulfan	µg/L	0.1	<0.1
p,p'-DDD	µg/L	0.1	<0.1
p,p'-DDT	µg/L	0.1	<0.1
Endosulfan sulphate	µg/L	0.1	<0.1
Endrin aldehyde	µg/L	0.1	<0.1
Methoxychlor	µg/L	0.1	<0.1
Endrin ketone	µg/L	0.1	<0.1
Isodrin	µg/L	0.1	<0.1
Mirex	µg/L	0.1	<0.1
Total OC	µg/L	1	<1
Total OC	µg/L	1	<1

OP Pesticides in Water [AN420] Tested: 31/1/2024

PARAMETER	UOM	LOR	ST-1741-RIN WATER - 24/1/24 12:00 SE259696.068
Dichlorvos	µg/L	0.5	<0.5
Dimethoate	µg/L	0.5	<0.5
Diazinon (Dimpylate)	µg/L	0.5	<0.5
Fenitrothion	µg/L	0.2	<0.2
Malathion	µg/L	0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	µg/L	0.2	<0.2
Parathion-ethyl (Parathion)	µg/L	0.2	<0.2
Bromophos Ethyl	µg/L	0.2	<0.2
Methidathion	µg/L	0.5	<0.5
Ethion	µg/L	0.2	<0.2
Azinphos-methyl	µg/L	0.2	<0.2

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN005	The particle size distribution of a soil is determined by wet sieving, using a maximum of 900 mL of deionised water to sieve all fractions down to 75 µm. Referenced to AS1289.3.6.1 and AS1141.11.
AN005	Following wet sieving of the sample,(particles smaller than 75 µm) a dispersing solution is added and a hydrometer is used to measure sedimentation. Soil density is determined and the percentage of each size fraction calculated. Referenced to AS1289.3.6.3.
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by AAS or ICP as per USEPA Method 200.8.
AN101	pH in Soil Sludge Sediment and Water: pH is measured electrometrically using a combination electrode and is calibrated against 3 buffers purchased commercially. For soils, sediments and sludges, an extract with water (or 0.01M CaCl2) is made at a ratio of 1:5 and the pH determined and reported on the extract. Reference APHA 4500-H+.
AN122	Exchangeable Cations, CEC and ESP: Soil sample is extracted in 1M Ammonium Acetate at pH=7 (or 1M Ammonium Chloride at pH=7) with cations (Na, K, Ca & Mg) then determined by ICP OES/ICP MS and reported as Exchangeable Cations. For saline soils, these results can be corrected for water soluble cations and reported as Exchangeable cations in meq/100g or soil can be pre-treated (aqueous ethanol/aqueous glycerol) prior to extraction. Cation Exchange Capacity (CEC) is the sum of the exchangeable cations in meq/100g.
AN122	The Exchangeable Sodium Percentage (ESP) is calculated as the exchangeable sodium divided by the CEC (all in meq/100g) times 100. ESP can be used to categorise the sodicity of the soil as below: ESP < 6% non-sodic ESP 6-15% sodic ESP >15% strongly sodic Method is referenced to Rayment and Lyons, 2011, sections 15D3 and 15N1.-
AN188	The organic material in the soil sample is oxidised with chromic acid in the presence of excess sulfuric acid, without external heat being applied. The excess dichromate ion is determined by titration with standard ammonium iron (II) sulfate solution and the amount of oxidised material is calculated from the quantity of dichromate reduced. Referenced to NEPM 105 and AS1289.1.1.1.
AN311(Perth)/AN312	Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN318	Determination of elements at trace level in waters by ICP-MS technique,, referenced to USEPA 6020B and USEPA 200.8 (5.4).
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.

AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting .
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
**	Indicative data, theoretical holding time exceeded.	NVL	Not validated.	LOR	Limit of Reporting.
***	Indicates that both * and ** apply.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

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Order Number	**SE259696**
Samples	3

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SGS Reference	**CE172668 R0**
Date Received	31 Jan 2024
Date Reported	05 Feb 2024

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(3146)

SIGNATORIES

Anthony NILSSON
Operations Manager

Parameter	Units	LOR	Sample Number: CE172668.012 Sample Matrix: Soil Sample Date: 24/1/24 12:00 Sample Name: SE259696.012
Moisture Content Method: AN002 Tested: 31/1/2024			
% Moisture	%w/w	1	**18**
Particle sizing of soils by sieving Method: AN005 Tested: 5/2/2024			
Passing 75µm	%w/w	1	**51**
Retained 75µm	%w/w	1	**49**
Particle sizing of soils <75µm by hydrometer Method: AN005 Tested: 5/2/2024			
Clay (<0.002mm)	%w/w	0.1	**14**

Parameter	Units	LOR	Sample Number: CE172668.034 Sample Matrix: Soil Sample Date: 24/1/24 12:00 Sample Name: SE259696.034
Moisture Content Method: AN002 Tested: 31/1/2024			
% Moisture	%w/w	1	**23**
Particle sizing of soils by sieving Method: AN005 Tested: 5/2/2024			
Passing 75µm	%w/w	1	**93**
Retained 75µm	%w/w	1	**7**
Particle sizing of soils <75µm by hydrometer Method: AN005 Tested: 5/2/2024			
Clay (<0.002mm)	%w/w	0.1	**44**

Parameter	Units	LOR	Sample Number: CE172668.049 Sample Matrix: Soil Sample Date: 24/1/24 12:00 Sample Name: SE259696.049
Moisture Content Method: AN002 Tested: 31/1/2024			
% Moisture	%w/w	1	**29**
Particle sizing of soils by sieving Method: AN005 Tested: 5/2/2024			
Passing 75µm	%w/w	1	**87**
Retained 75µm	%w/w	1	**13**
Particle sizing of soils <75µm by hydrometer Method: AN005 Tested: 5/2/2024			
Clay (<0.002mm)	%w/w	0.1	**32**

MB blank results are compared to the Limit of Reporting
LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared the the amount of analyte spiked into the sample.
DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula : *the absolute difference of the two results divided by the average of the two results as a percentage.* Where the DUP RPD is 'NA' , the results are less than the LOR and thus the RPD is not applicable.

No QC samples were reported for this job.

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN005	The particle size distribution of a soil is determined by wet sieving, using a maximum of 900 mL of deionised water to sieve all fractions down to 75 µm. Referenced to AS1289.3.6.1 and AS1141.11.
AN005	Following wet sieving of the sample,(particles smaller than 75 µm) a dispersing solution is added and a hydrometer is used to measure sedimentation. Soil density is determined and the percentage of each size fraction calculated. Referenced to AS1289.3.6.3.

FOOTNOTES

IS	Insufficient sample for analysis.	LOR	Limit of Reporting
LNR	Sample listed, but not received.	↑↓	Raised or Lowered Limit of Reporting
*	NATA accreditation does not cover the performance of this service.	QFH	QC result is above the upper tolerance
		QFL	QC result is below the lower tolerance
**	Indicative data, theoretical holding time exceeded.	-	The sample was not analysed for this analyte
***	Indicates that both * and ** apply.	NVL	Not Validated

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calcuated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

STATEMENT OF QA/QC PERFORMANCE

SE259696 R0

CLIENT DETAILS

Contact	Kannan Kaliappan
Client	K2 CONSULTING GROUP
Address	Suite 222, Building B 20 Lexingon Drive Bella Vista NSW 2153
Telephone	0449 669 559
Facsimile	(Not specified)
Email	kannan@k2consultinggroup.com.au
Project	**ST-1741 (100 McDonald Street, Crookwell**
Order Number	**ST-1741**
Samples	70

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE259696 R0**
Date Received	25 Jan 2024
Date Reported	06 Feb 2024

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met with the exception of the following:

Surrogate	OP Pesticides in Soil	1 item
	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	1 item
	VOC's in Soil	3 items
	Volatile Petroleum Hydrocarbons in Soil	3 items
Duplicate	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
Matrix Spike	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	VOC's in Soil	1 item
	Volatile Petroleum Hydrocarbons in Soil	1 item

SAMPLE SUMMARY

Sample counts by matrix	69 Soil, 1 Water	Type of documentation received	COC
Date documentation received	25/1/2024 @06:59p	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	8.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Exchangeable Cations and Cation Exchange Capacity (CEC/ESP/SAR)

Method: ME-(AU)-[ENV]AN122

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP11 (0.9m)	SE259696.012	LB302854	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024
ST-1741-TP32 (0.75m)	SE259696.034	LB302854	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024
ST-1741-TP46 (0.7m)	SE259696.049	LB302854	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302484	24 Jan 2024	25 Jan 2024	21 Feb 2024	30 Jan 2024	21 Feb 2024	30 Jan 2024

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302456	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302457	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Mercury in Soil (continued)

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP51 (0.3m)	SE259696.054	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-BR1	SE259696.056	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-BR2	SE259696.057	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-BR3	SE259696.058	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-BR4	SE259696.059	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-BR5	SE259696.060	LB302458	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	01 Feb 2024
ST-1741-STK-1A	SE259696.061	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302467	24 Jan 2024	25 Jan 2024	21 Feb 2024	29 Jan 2024	21 Feb 2024	31 Jan 2024

Moisture Content

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP11 (0.9m)	SE259696.012	LB302479	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302432	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP32 (0.75m)	SE259696.034	LB302479	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302433	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Moisture Content (continued)

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP42 (0.25m)	SE259696.044	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP46 (0.7m)	SE259696.049	LB302479	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	30 Jan 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-BR1	SE259696.056	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-BR2	SE259696.057	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-BR3	SE259696.058	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-BR4	SE259696.059	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-BR5	SE259696.060	LB302434	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-1A	SE259696.061	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024
Trip Blank	SE259696.069	LB302463	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	03 Feb 2024	31 Jan 2024

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

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Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP33 (0.25m)	SE259696.035	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-BR1	SE259696.056	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-BR2	SE259696.057	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-BR3	SE259696.058	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-BR4	SE259696.059	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-BR5	SE259696.060	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024
ST-1741-STK-1A	SE259696.061	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-1B	SE259696.062	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-1C	SE259696.063	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-2A	SE259696.064	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-2B	SE259696.065	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-2C	SE259696.066	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
ST-1741-STK-2D	SE259696.067	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	02 Feb 2024
Trip Blank	SE259696.069	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	05 Feb 2024

OC Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302637	24 Jan 2024	25 Jan 2024	31 Jan 2024	31 Jan 2024	11 Mar 2024	05 Feb 2024

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

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Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP21 (0.2m)	SE259696.022	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR1	SE259696.056	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR2	SE259696.057	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR3	SE259696.058	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR4	SE259696.059	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR5	SE259696.060	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1A	SE259696.061	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
Trip Blank	SE259696.069	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024

OP Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302637	24 Jan 2024	25 Jan 2024	31 Jan 2024	31 Jan 2024	11 Mar 2024	02 Feb 2024

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP09 (0.3m)	SE259696.009	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR1	SE259696.056	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR2	SE259696.057	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR3	SE259696.058	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR4	SE259696.059	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR5	SE259696.060	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1A	SE259696.061	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
Trip Blank	SE259696.069	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

PAH (Polynuclear Aromatic Hydrocarbons) in Water (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302637	24 Jan 2024	25 Jan 2024	31 Jan 2024	31 Jan 2024	11 Mar 2024	02 Feb 2024

pH in soil (1:5)

Method: ME-(AU)-[ENV]AN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP11 (0.9m)	SE259696.012	LB302559	24 Jan 2024	25 Jan 2024	31 Jan 2024	30 Jan 2024	31 Jan 2024	30 Jan 2024
ST-1741-TP32 (0.75m)	SE259696.034	LB302559	24 Jan 2024	25 Jan 2024	31 Jan 2024	30 Jan 2024	31 Jan 2024	30 Jan 2024
ST-1741-TP46 (0.7m)	SE259696.049	LB302559	24 Jan 2024	25 Jan 2024	31 Jan 2024	30 Jan 2024	31 Jan 2024	30 Jan 2024

TOC in Soil

Method: ME-(AU)-[ENV]AN188

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP11 (0.9m)	SE259696.012	LB302875	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024
ST-1741-TP32 (0.75m)	SE259696.034	LB302875	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024
ST-1741-TP46 (0.7m)	SE259696.049	LB302875	24 Jan 2024	25 Jan 2024	21 Feb 2024	02 Feb 2024	21 Feb 2024	02 Feb 2024

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP11 (0.9m)	SE259696.012	LB302437	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	30 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302438	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP32 (0.75m)	SE259696.034	LB302437	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	30 Jan 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302439	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP43 (0.3m)	SE259696.045	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP46 (0.7m)	SE259696.049	LB302437	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	30 Jan 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-BR1	SE259696.056	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-BR2	SE259696.057	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-BR3	SE259696.058	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-BR4	SE259696.059	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-BR5	SE259696.060	LB302441	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	01 Feb 2024
ST-1741-STK-1A	SE259696.061	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302466	24 Jan 2024	25 Jan 2024	22 Jul 2024	29 Jan 2024	22 Jul 2024	31 Jan 2024

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302482	24 Jan 2024	25 Jan 2024	22 Jul 2024	30 Jan 2024	22 Jul 2024	30 Jan 2024

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302426	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024

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Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP31 (0.25m)	SE259696.032	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302427	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	01 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR1	SE259696.056	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR2	SE259696.057	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR3	SE259696.058	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR4	SE259696.059	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-BR5	SE259696.060	LB302428	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1A	SE259696.061	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1B	SE259696.062	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-1C	SE259696.063	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2A	SE259696.064	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2B	SE259696.065	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2C	SE259696.066	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
ST-1741-STK-2D	SE259696.067	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024
Trip Blank	SE259696.069	LB302461	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	09 Mar 2024	31 Jan 2024

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302637	24 Jan 2024	25 Jan 2024	31 Jan 2024	31 Jan 2024	11 Mar 2024	02 Feb 2024

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP06 (0.25m)	SE259696.006	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP19 (0.8m)	SE259696.020	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR1	SE259696.056	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR2	SE259696.057	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR3	SE259696.058	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR4	SE259696.059	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR5	SE259696.060	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1A	SE259696.061	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1B	SE259696.062	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1C	SE259696.063	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2A	SE259696.064	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2B	SE259696.065	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2C	SE259696.066	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2D	SE259696.067	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
Trip Blank	SE259696.069	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
Trip Spike	SE259696.070	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302757	24 Jan 2024	25 Jan 2024	07 Feb 2024	01 Feb 2024	07 Feb 2024	02 Feb 2024

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP01 (0.3m)	SE259696.001	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP02 (0.8m)	SE259696.002	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP03 (0.3m)	SE259696.003	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP04 (0.3m)	SE259696.004	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP05 (0.25m)	SE259696.005	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP06 (0.25m)	SE259696.006	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP07 (0.3m)	SE259696.007	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP08 (0.8m)	SE259696.008	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP09 (0.3m)	SE259696.009	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP10 (0.3m)	SE259696.010	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP11 (0.3m)	SE259696.011	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP12 (0.3m)	SE259696.013	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP13 (0.3m)	SE259696.014	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP14 (0.3m)	SE259696.015	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP15 (0.25m)	SE259696.016	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP16 (0.3m)	SE259696.017	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP17 (0.8m)	SE259696.018	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP18 (0.25m)	SE259696.019	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP19 (0.8m)	SE259696.020	LB302429	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP20 (0.2m	SE259696.021	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP21 (0.2m)	SE259696.022	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP22 (0.25m)	SE259696.023	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP23 (0.25m)	SE259696.024	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP24 (0.8m)	SE259696.025	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP25 (0.75m)	SE259696.026	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP26 (0.3m)	SE259696.027	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP27 (0.3m)	SE259696.028	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP28 (0.8m)	SE259696.029	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP29 (0 25m)	SE259696.030	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP30 (0.25m)	SE259696.031	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP31 (0.25m)	SE259696.032	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP31 (0.8m)	SE259696.033	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP33 (0.25m)	SE259696.035	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP34 (0.25m)	SE259696.036	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP35 (0.25m)	SE259696.037	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP36 (0.8m)	SE259696.038	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP37 (0.2m)	SE259696.039	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP38 (0.2m)	SE259696.040	LB302430	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP39 (0.8m)	SE259696.041	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP40 (0.2m)	SE259696.042	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP41 (0.3m)	SE259696.043	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP42 (0.25m)	SE259696.044	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP43 (0.3m)	SE259696.045	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP44 (0.3m)	SE259696.046	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP45 (0.25m)	SE259696.047	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP46 (0.2m)	SE259696.048	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP47 (0.75m)	SE259696.050	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP48 (0.3m)	SE259696.051	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP49 (0.3m)	SE259696.052	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP50 (0.3m)	SE259696.053	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP51 (0.3m)	SE259696.054	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-TP52 (0.2m)	SE259696.055	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR1	SE259696.056	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR2	SE259696.057	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR3	SE259696.058	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR4	SE259696.059	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-BR5	SE259696.060	LB302431	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1A	SE259696.061	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1B	SE259696.062	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-1C	SE259696.063	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2A	SE259696.064	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2B	SE259696.065	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2C	SE259696.066	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
ST-1741-STK-2D	SE259696.067	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024
Trip Blank	SE259696.069	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024

HOLDING TIME SUMMARY

SE259696 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
Trip Spike	SE259696.070	LB302462	24 Jan 2024	25 Jan 2024	07 Feb 2024	29 Jan 2024	07 Feb 2024	02 Feb 2024

Volatile Petroleum Hydrocarbons in Water — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-RIN	SE259696.068	LB302757	24 Jan 2024	25 Jan 2024	07 Feb 2024	01 Feb 2024	07 Feb 2024	02 Feb 2024

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	99
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	101
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	95
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	106
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	97
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	102
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	105
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	93
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	101
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	98
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	97
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	101
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	104
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	102
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	108
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	100
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	100
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	101
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	104
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	111
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	106
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	112
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	102
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	108
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	116
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	111
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	107
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	108
	ST-1741-TP29 (0.25m)	SE259696.030	%	60 - 130%	105
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	101
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	106
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	106
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	111
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	101
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	107
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	100
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	105
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	107
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	114
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	121
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	116
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	108
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	115
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	109
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	111
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	121
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	117
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	125
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	113
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	127
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	111
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	101
	ST-1741-BR1	SE259696.056	%	60 - 130%	115
	ST-1741-BR2	SE259696.057	%	60 - 130%	117
	ST-1741-BR3	SE259696.058	%	60 - 130%	99
	ST-1741-BR4	SE259696.059	%	60 - 130%	102
	ST-1741-BR5	SE259696.060	%	60 - 130%	106
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	110
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	110
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	92
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	91

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	ST-1741-STK-2B	SE259696.065	%	60 - 130%	90
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	95
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	92

OC Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	97

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	95
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	93
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	93
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	96
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	96
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	98
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	96
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	97
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	98
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	93
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	96
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	94
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	93
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	98
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	93
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	96
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	92
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	93
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	93
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	93
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	87
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	102
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	99
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	93
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	86
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	95
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	94
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	95
	ST-1741-TP29 (0 25m)	SE259696.030	%	60 - 130%	100
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	96
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	96
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	98
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	109
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	93
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	92
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	93
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	90
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	96
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	92
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	103
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	98
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	100
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	97
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	98
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	105
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	100
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	95
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	108
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	102
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	97

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OP Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	75
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	99
	ST-1741-BR1	SE259696.056	%	60 - 130%	97
	ST-1741-BR2	SE259696.057	%	60 - 130%	94
	ST-1741-BR3	SE259696.058	%	60 - 130%	96
	ST-1741-BR4	SE259696.059	%	60 - 130%	91
	ST-1741-BR5	SE259696.060	%	60 - 130%	100
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	107
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	107
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	103
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	100
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	99
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	107
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	104
d14-p-terphenyl (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	107
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	108
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	112
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	107
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	112
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	111
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	109
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	113
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	113
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	107
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	109
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	110
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	111
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	113
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	108
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	111
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	106
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	111
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	108
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	105
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	102
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	113
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	108
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	108
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	109
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	104
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	104
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	108
	ST-1741-TP29 (0.25m)	SE259696.030	%	60 - 130%	112
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	107
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	110
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	111
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	119
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	103
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	103
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	104
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	100
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	105
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	111
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	108
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	107
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	107
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	108
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	107
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	110
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	107
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	108

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d14-p-terphenyl (Surrogate)	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	114
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	112
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	110
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	30 ①
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	103
	ST-1741-BR1	SE259696.056	%	60 - 130%	107
	ST-1741-BR2	SE259696.057	%	60 - 130%	106
	ST-1741-BR3	SE259696.058	%	60 - 130%	105
	ST-1741-BR4	SE259696.059	%	60 - 130%	112
	ST-1741-BR5	SE259696.060	%	60 - 130%	110
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	111
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	114
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	110
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	106
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	104
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	115
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	110

OP Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	76
d14-p-terphenyl (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	74

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	70 - 130%	95
	ST-1741-TP02 (0.8m)	SE259696.002	%	70 - 130%	93
	ST-1741-TP03 (0.3m)	SE259696.003	%	70 - 130%	93
	ST-1741-TP04 (0.3m)	SE259696.004	%	70 - 130%	96
	ST-1741-TP05 (0.25m)	SE259696.005	%	70 - 130%	96
	ST-1741-TP06 (0.25m)	SE259696.006	%	70 - 130%	98
	ST-1741-TP07 (0.3m)	SE259696.007	%	70 - 130%	96
	ST-1741-TP08 (0.8m)	SE259696.008	%	70 - 130%	97
	ST-1741-TP09 (0.3m)	SE259696.009	%	70 - 130%	98
	ST-1741-TP10 (0.3m)	SE259696.010	%	70 - 130%	93
	ST-1741-TP11 (0.3m)	SE259696.011	%	70 - 130%	96
	ST-1741-TP12 (0.3m)	SE259696.013	%	70 - 130%	94
	ST-1741-TP13 (0.3m)	SE259696.014	%	70 - 130%	93
	ST-1741-TP14 (0.3m)	SE259696.015	%	70 - 130%	98
	ST-1741-TP15 (0.25m)	SE259696.016	%	70 - 130%	93
	ST-1741-TP16 (0.3m)	SE259696.017	%	70 - 130%	96
	ST-1741-TP17 (0.8m)	SE259696.018	%	70 - 130%	92
	ST-1741-TP18 (0.25m)	SE259696.019	%	70 - 130%	93
	ST-1741-TP19 (0.8m)	SE259696.020	%	70 - 130%	93
	ST-1741-TP20 (0.2m	SE259696.021	%	70 - 130%	93
	ST-1741-TP21 (0.2m)	SE259696.022	%	70 - 130%	87
	ST-1741-TP22 (0.25m)	SE259696.023	%	70 - 130%	102
	ST-1741-TP23 (0.25m)	SE259696.024	%	70 - 130%	99
	ST-1741-TP24 (0.8m)	SE259696.025	%	70 - 130%	93
	ST-1741-TP25 (0.75m)	SE259696.026	%	70 - 130%	86
	ST-1741-TP26 (0.3m)	SE259696.027	%	70 - 130%	95
	ST-1741-TP27 (0.3m)	SE259696.028	%	70 - 130%	94
	ST-1741-TP28 (0.8m)	SE259696.029	%	70 - 130%	95
	ST-1741-TP29 (0 25m)	SE259696.030	%	70 - 130%	100
	ST-1741-TP30 (0.25m)	SE259696.031	%	70 - 130%	96
	ST-1741-TP31 (0.25m)	SE259696.032	%	70 - 130%	96
	ST-1741-TP31 (0.8m)	SE259696.033	%	70 - 130%	98
	ST-1741-TP33 (0.25m)	SE259696.035	%	70 - 130%	109
	ST-1741-TP34 (0.25m)	SE259696.036	%	70 - 130%	93
	ST-1741-TP35 (0.25m)	SE259696.037	%	70 - 130%	92
	ST-1741-TP36 (0.8m)	SE259696.038	%	70 - 130%	93

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-TP37 (0.2m)	SE259696.039	%	70 - 130%	90
	ST-1741-TP38 (0.2m)	SE259696.040	%	70 - 130%	96
	ST-1741-TP39 (0.8m)	SE259696.041	%	70 - 130%	92
	ST-1741-TP40 (0.2m)	SE259696.042	%	70 - 130%	103
	ST-1741-TP41 (0.3m)	SE259696.043	%	70 - 130%	98
	ST-1741-TP42 (0.25m)	SE259696.044	%	70 - 130%	100
	ST-1741-TP43 (0.3m)	SE259696.045	%	70 - 130%	97
	ST-1741-TP44 (0.3m)	SE259696.046	%	70 - 130%	98
	ST-1741-TP45 (0.25m)	SE259696.047	%	70 - 130%	105
	ST-1741-TP46 (0.2m)	SE259696.048	%	70 - 130%	100
	ST-1741-TP47 (0.75m)	SE259696.050	%	70 - 130%	95
	ST-1741-TP48 (0.3m)	SE259696.051	%	70 - 130%	108
	ST-1741-TP49 (0.3m)	SE259696.052	%	70 - 130%	102
	ST-1741-TP50 (0.3m)	SE259696.053	%	70 - 130%	97
	ST-1741-TP51 (0.3m)	SE259696.054	%	70 - 130%	75
	ST-1741-TP52 (0.2m)	SE259696.055	%	70 - 130%	99
	ST-1741-BR1	SE259696.056	%	70 - 130%	97
	ST-1741-BR2	SE259696.057	%	70 - 130%	94
	ST-1741-BR3	SE259696.058	%	70 - 130%	96
	ST-1741-BR4	SE259696.059	%	70 - 130%	91
	ST-1741-BR5	SE259696.060	%	70 - 130%	100
	ST-1741-STK-1A	SE259696.061	%	70 - 130%	107
	ST-1741-STK-1B	SE259696.062	%	70 - 130%	107
	ST-1741-STK-1C	SE259696.063	%	70 - 130%	103
	ST-1741-STK-2A	SE259696.064	%	70 - 130%	100
	ST-1741-STK-2B	SE259696.065	%	70 - 130%	99
	ST-1741-STK-2C	SE259696.066	%	70 - 130%	107
	ST-1741-STK-2D	SE259696.067	%	70 - 130%	104
	Trip Blank	SE259696.069	%	70 - 130%	100
d14-p-terphenyl (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	70 - 130%	107
	ST-1741-TP02 (0.8m)	SE259696.002	%	70 - 130%	108
	ST-1741-TP03 (0.3m)	SE259696.003	%	70 - 130%	112
	ST-1741-TP04 (0.3m)	SE259696.004	%	70 - 130%	107
	ST-1741-TP05 (0.25m)	SE259696.005	%	70 - 130%	112
	ST-1741-TP06 (0.25m)	SE259696.006	%	70 - 130%	111
	ST-1741-TP07 (0.3m)	SE259696.007	%	70 - 130%	109
	ST-1741-TP08 (0.8m)	SE259696.008	%	70 - 130%	113
	ST-1741-TP09 (0.3m)	SE259696.009	%	70 - 130%	113
	ST-1741-TP10 (0.3m)	SE259696.010	%	70 - 130%	107
	ST-1741-TP11 (0.3m)	SE259696.011	%	70 - 130%	109
	ST-1741-TP12 (0.3m)	SE259696.013	%	70 - 130%	110
	ST-1741-TP13 (0.3m)	SE259696.014	%	70 - 130%	111
	ST-1741-TP14 (0.3m)	SE259696.015	%	70 - 130%	113
	ST-1741-TP15 (0.25m)	SE259696.016	%	70 - 130%	108
	ST-1741-TP16 (0.3m)	SE259696.017	%	70 - 130%	111
	ST-1741-TP17 (0.8m)	SE259696.018	%	70 - 130%	106
	ST-1741-TP18 (0.25m)	SE259696.019	%	70 - 130%	111
	ST-1741-TP19 (0.8m)	SE259696.020	%	70 - 130%	108
	ST-1741-TP20 (0.2m	SE259696.021	%	70 - 130%	105
	ST-1741-TP21 (0.2m)	SE259696.022	%	70 - 130%	102
	ST-1741-TP22 (0.25m)	SE259696.023	%	70 - 130%	113
	ST-1741-TP23 (0.25m)	SE259696.024	%	70 - 130%	108
	ST-1741-TP24 (0.8m)	SE259696.025	%	70 - 130%	108
	ST-1741-TP25 (0.75m)	SE259696.026	%	70 - 130%	109
	ST-1741-TP26 (0.3m)	SE259696.027	%	70 - 130%	104
	ST-1741-TP27 (0.3m)	SE259696.028	%	70 - 130%	104
	ST-1741-TP28 (0.8m)	SE259696.029	%	70 - 130%	108
	ST-1741-TP29 (0 25m)	SE259696.030	%	70 - 130%	112
	ST-1741-TP30 (0.25m)	SE259696.031	%	70 - 130%	107
	ST-1741-TP31 (0.25m)	SE259696.032	%	70 - 130%	110
	ST-1741-TP31 (0.8m)	SE259696.033	%	70 - 130%	111

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d14-p-terphenyl (Surrogate)	ST-1741-TP33 (0.25m)	SE259696.035	%	70 - 130%	119
	ST-1741-TP34 (0.25m)	SE259696.036	%	70 - 130%	103
	ST-1741-TP35 (0.25m)	SE259696.037	%	70 - 130%	103
	ST-1741-TP36 (0.8m)	SE259696.038	%	70 - 130%	104
	ST-1741-TP37 (0.2m)	SE259696.039	%	70 - 130%	100
	ST-1741-TP38 (0.2m)	SE259696.040	%	70 - 130%	105
	ST-1741-TP39 (0.8m)	SE259696.041	%	70 - 130%	111
	ST-1741-TP40 (0.2m)	SE259696.042	%	70 - 130%	108
	ST-1741-TP41 (0.3m)	SE259696.043	%	70 - 130%	107
	ST-1741-TP42 (0.25m)	SE259696.044	%	70 - 130%	107
	ST-1741-TP43 (0.3m)	SE259696.045	%	70 - 130%	108
	ST-1741-TP44 (0.3m)	SE259696.046	%	70 - 130%	107
	ST-1741-TP45 (0.25m)	SE259696.047	%	70 - 130%	110
	ST-1741-TP46 (0.2m)	SE259696.048	%	70 - 130%	107
	ST-1741-TP47 (0.75m)	SE259696.050	%	70 - 130%	108
	ST-1741-TP48 (0.3m)	SE259696.051	%	70 - 130%	114
	ST-1741-TP49 (0.3m)	SE259696.052	%	70 - 130%	112
	ST-1741-TP50 (0.3m)	SE259696.053	%	70 - 130%	110
	ST-1741-TP51 (0.3m)	SE259696.054	%	70 - 130%	30 ①
	ST-1741-TP52 (0.2m)	SE259696.055	%	70 - 130%	103
	ST-1741-BR1	SE259696.056	%	70 - 130%	107
	ST-1741-BR2	SE259696.057	%	70 - 130%	106
	ST-1741-BR3	SE259696.058	%	70 - 130%	105
	ST-1741-BR4	SE259696.059	%	70 - 130%	112
	ST-1741-BR5	SE259696.060	%	70 - 130%	110
	ST-1741-STK-1A	SE259696.061	%	70 - 130%	111
	ST-1741-STK-1B	SE259696.062	%	70 - 130%	114
	ST-1741-STK-1C	SE259696.063	%	70 - 130%	110
	ST-1741-STK-2A	SE259696.064	%	70 - 130%	106
	ST-1741-STK-2B	SE259696.065	%	70 - 130%	104
	ST-1741-STK-2C	SE259696.066	%	70 - 130%	115
	ST-1741-STK-2D	SE259696.067	%	70 - 130%	110
	Trip Blank	SE259696.069	%	70 - 130%	108
d5-nitrobenzene (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	70 - 130%	100
	ST-1741-TP02 (0.8m)	SE259696.002	%	70 - 130%	98
	ST-1741-TP03 (0.3m)	SE259696.003	%	70 - 130%	101
	ST-1741-TP04 (0.3m)	SE259696.004	%	70 - 130%	100
	ST-1741-TP05 (0.25m)	SE259696.005	%	70 - 130%	102
	ST-1741-TP06 (0.25m)	SE259696.006	%	70 - 130%	101
	ST-1741-TP07 (0.3m)	SE259696.007	%	70 - 130%	101
	ST-1741-TP08 (0.8m)	SE259696.008	%	70 - 130%	102
	ST-1741-TP09 (0.3m)	SE259696.009	%	70 - 130%	103
	ST-1741-TP10 (0.3m)	SE259696.010	%	70 - 130%	100
	ST-1741-TP11 (0.3m)	SE259696.011	%	70 - 130%	103
	ST-1741-TP12 (0.3m)	SE259696.013	%	70 - 130%	102
	ST-1741-TP13 (0.3m)	SE259696.014	%	70 - 130%	104
	ST-1741-TP14 (0.3m)	SE259696.015	%	70 - 130%	106
	ST-1741-TP15 (0.25m)	SE259696.016	%	70 - 130%	101
	ST-1741-TP16 (0.3m)	SE259696.017	%	70 - 130%	106
	ST-1741-TP17 (0.8m)	SE259696.018	%	70 - 130%	99
	ST-1741-TP18 (0.25m)	SE259696.019	%	70 - 130%	104
	ST-1741-TP19 (0.8m)	SE259696.020	%	70 - 130%	99
	ST-1741-TP20 (0.2m	SE259696.021	%	70 - 130%	94
	ST-1741-TP21 (0.2m)	SE259696.022	%	70 - 130%	87
	ST-1741-TP22 (0.25m)	SE259696.023	%	70 - 130%	102
	ST-1741-TP23 (0.25m)	SE259696.024	%	70 - 130%	98
	ST-1741-TP24 (0.8m)	SE259696.025	%	70 - 130%	99
	ST-1741-TP25 (0.75m)	SE259696.026	%	70 - 130%	96
	ST-1741-TP26 (0.3m)	SE259696.027	%	70 - 130%	96
	ST-1741-TP27 (0.3m)	SE259696.028	%	70 - 130%	96
	ST-1741-TP28 (0.8m)	SE259696.029	%	70 - 130%	102

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d5-nitrobenzene (Surrogate)	ST-1741-TP29 (0 25m)	SE259696.030	%	70 - 130%	103
	ST-1741-TP30 (0.25m)	SE259696.031	%	70 - 130%	97
	ST-1741-TP31 (0.25m)	SE259696.032	%	70 - 130%	102
	ST-1741-TP31 (0.8m)	SE259696.033	%	70 - 130%	103
	ST-1741-TP33 (0.25m)	SE259696.035	%	70 - 130%	110
	ST-1741-TP34 (0.25m)	SE259696.036	%	70 - 130%	95
	ST-1741-TP35 (0.25m)	SE259696.037	%	70 - 130%	92
	ST-1741-TP36 (0.8m)	SE259696.038	%	70 - 130%	100
	ST-1741-TP37 (0.2m)	SE259696.039	%	70 - 130%	95
	ST-1741-TP38 (0.2m)	SE259696.040	%	70 - 130%	92
	ST-1741-TP39 (0.8m)	SE259696.041	%	70 - 130%	106
	ST-1741-TP40 (0.2m)	SE259696.042	%	70 - 130%	112
	ST-1741-TP41 (0.3m)	SE259696.043	%	70 - 130%	110
	ST-1741-TP42 (0.25m)	SE259696.044	%	70 - 130%	112
	ST-1741-TP43 (0.3m)	SE259696.045	%	70 - 130%	113
	ST-1741-TP44 (0.3m)	SE259696.046	%	70 - 130%	113
	ST-1741-TP45 (0.25m)	SE259696.047	%	70 - 130%	120
	ST-1741-TP46 (0.2m)	SE259696.048	%	70 - 130%	115
	ST-1741-TP47 (0.75m)	SE259696.050	%	70 - 130%	114
	ST-1741-TP48 (0.3m)	SE259696.051	%	70 - 130%	122
	ST-1741-TP49 (0.3m)	SE259696.052	%	70 - 130%	122
	ST-1741-TP50 (0.3m)	SE259696.053	%	70 - 130%	119
	ST-1741-TP51 (0.3m)	SE259696.054	%	70 - 130%	86
	ST-1741-TP52 (0.2m)	SE259696.055	%	70 - 130%	119
	ST-1741-BR1	SE259696.056	%	70 - 130%	117
	ST-1741-BR2	SE259696.057	%	70 - 130%	117
	ST-1741-BR3	SE259696.058	%	70 - 130%	115
	ST-1741-BR4	SE259696.059	%	70 - 130%	122
	ST-1741-BR5	SE259696.060	%	70 - 130%	116
	ST-1741-STK-1A	SE259696.061	%	70 - 130%	116
	ST-1741-STK-1B	SE259696.062	%	70 - 130%	120
	ST-1741-STK-1C	SE259696.063	%	70 - 130%	116
	ST-1741-STK-2A	SE259696.064	%	70 - 130%	110
	ST-1741-STK-2B	SE259696.065	%	70 - 130%	108
	ST-1741-STK-2C	SE259696.066	%	70 - 130%	117
	ST-1741-STK-2D	SE259696.067	%	70 - 130%	115
	Trip Blank	SE259696.069	%	70 - 130%	113

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	76
d14-p-terphenyl (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	74
d5-nitrobenzene (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	76

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	87
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	81
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	81
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	83
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	81
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	83
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	82
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	81
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	82
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	77
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	88
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	83
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	84
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	90
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	79
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	80

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

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VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	82
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	79
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	82
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	75
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	75
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	71
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	72
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	70
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	71
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	70
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	63
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	67
	ST-1741-TP29 (0.25m)	SE259696.030	%	60 - 130%	73
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	70
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	58 ①
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	66
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	72
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	75
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	74
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	69
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	60 ①
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	46 ①
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	76
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	83
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	88
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	87
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	85
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	84
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	82
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	82
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	81
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	78
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	79
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	79
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	106
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	70
	ST-1741-BR1	SE259696.056	%	60 - 130%	82
	ST-1741-BR2	SE259696.057	%	60 - 130%	81
	ST-1741-BR3	SE259696.058	%	60 - 130%	86
	ST-1741-BR4	SE259696.059	%	60 - 130%	83
	ST-1741-BR5	SE259696.060	%	60 - 130%	87
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	78
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	84
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	82
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	92
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	86
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	76
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	89
	Trip Blank	SE259696.069	%	60 - 130%	96
	Trip Spike	SE259696.070	%	60 - 130%	95
d4-1,2-dichloroethane (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	85
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	79
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	81
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	83
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	79
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	81
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	81
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	81
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	83
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	75
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	84

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

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VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	82
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	82
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	89
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	77
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	78
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	80
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	78
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	81
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	73
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	94
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	96
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	102
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	99
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	99
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	100
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	85
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	96
	ST-1741-TP29 (0 25m)	SE259696.030	%	60 - 130%	105
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	97
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	84
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	96
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	98
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	107
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	111
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	103
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	83
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	97
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	86
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	87
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	100
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	102
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	103
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	98
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	96
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	100
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	95
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	96
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	100
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	94
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	101
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	96
	ST-1741-BR1	SE259696.056	%	60 - 130%	102
	ST-1741-BR2	SE259696.057	%	60 - 130%	99
	ST-1741-BR3	SE259696.058	%	60 - 130%	106
	ST-1741-BR4	SE259696.059	%	60 - 130%	102
	ST-1741-BR5	SE259696.060	%	60 - 130%	106
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	88
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	86
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	84
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	93
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	88
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	75
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	91
	Trip Blank	SE259696.069	%	60 - 130%	101
	Trip Spike	SE259696.070	%	60 - 130%	95
d8-toluene (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	88
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	80
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	82
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	85
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	90
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	85

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d8-toluene (Surrogate)	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	83
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	83
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	86
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	85
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	87
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	85
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	95
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	101
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	79
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	79
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	90
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	88
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	91
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	77
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	89
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	95
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	98
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	91
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	93
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	89
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	84
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	89
	ST-1741-TP29 (0 25m)	SE259696.030	%	60 - 130%	98
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	90
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	79
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	87
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	90
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	97
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	100
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	90
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	80
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	75
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	67
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	76
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	86
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	90
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	89
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	84
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	82
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	85
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	77
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	81
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	84
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	76
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	104
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	77
	ST-1741-BR1	SE259696.056	%	60 - 130%	82
	ST-1741-BR2	SE259696.057	%	60 - 130%	78
	ST-1741-BR3	SE259696.058	%	60 - 130%	86
	ST-1741-BR4	SE259696.059	%	60 - 130%	85
	ST-1741-BR5	SE259696.060	%	60 - 130%	89
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	86
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	88
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	83
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	94
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	89
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	78
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	90
	Trip Blank	SE259696.069	%	60 - 130%	99
	Trip Spike	SE259696.070	%	60 - 130%	92

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	109
d4-1,2-dichloroethane (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	96
d8-toluene (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	101

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	87
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	81
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	81
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	83
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	81
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	83
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	82
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	81
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	82
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	77
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	88
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	83
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	84
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	90
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	79
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	80
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	82
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	79
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	82
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	75
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	75
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	71
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	72
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	70
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	71
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	70
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	63
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	67
	ST-1741-TP29 (0.25m)	SE259696.030	%	60 - 130%	73
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	70
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	58 ①
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	66
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	72
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	75
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	74
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	69
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	60 ①
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	46 ①
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	76
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	83
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	88
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	87
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	85
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	84
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	82
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	82
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	81
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	78
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	79
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	79
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	106
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	70
	ST-1741-BR1	SE259696.056	%	60 - 130%	82
	ST-1741-BR2	SE259696.057	%	60 - 130%	81
	ST-1741-BR3	SE259696.058	%	60 - 130%	86

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-BR4	SE259696.059	%	60 - 130%	83
	ST-1741-BR5	SE259696.060	%	60 - 130%	87
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	78
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	84
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	82
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	92
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	86
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	76
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	89
	Trip Blank	SE259696.069	%	60 - 130%	96
d4-1,2-dichloroethane (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	85
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	79
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	81
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	83
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	79
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	81
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	81
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	81
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	83
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	75
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	84
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	82
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	82
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	89
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	77
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	78
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	80
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	78
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	81
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	73
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	94
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	96
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	102
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	99
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	99
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	100
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	85
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	96
	ST-1741-TP29 (0 25m)	SE259696.030	%	60 - 130%	105
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	97
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	84
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	96
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	98
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	107
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	111
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	103
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	83
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	97
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	86
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	87
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	100
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	102
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	103
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	98
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	96
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	100
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	95
	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	96
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	100
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	94
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	101

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	96
	ST-1741-BR1	SE259696.056	%	60 - 130%	102
	ST-1741-BR2	SE259696.057	%	60 - 130%	99
	ST-1741-BR3	SE259696.058	%	60 - 130%	106
	ST-1741-BR4	SE259696.059	%	60 - 130%	102
	ST-1741-BR5	SE259696.060	%	60 - 130%	106
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	88
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	86
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	84
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	93
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	88
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	75
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	91
	Trip Blank	SE259696.069	%	60 - 130%	101
d8-toluene (Surrogate)	ST-1741-TP01 (0.3m)	SE259696.001	%	60 - 130%	88
	ST-1741-TP02 (0.8m)	SE259696.002	%	60 - 130%	80
	ST-1741-TP03 (0.3m)	SE259696.003	%	60 - 130%	82
	ST-1741-TP04 (0.3m)	SE259696.004	%	60 - 130%	85
	ST-1741-TP05 (0.25m)	SE259696.005	%	60 - 130%	90
	ST-1741-TP06 (0.25m)	SE259696.006	%	60 - 130%	85
	ST-1741-TP07 (0.3m)	SE259696.007	%	60 - 130%	83
	ST-1741-TP08 (0.8m)	SE259696.008	%	60 - 130%	83
	ST-1741-TP09 (0.3m)	SE259696.009	%	60 - 130%	86
	ST-1741-TP10 (0.3m)	SE259696.010	%	60 - 130%	85
	ST-1741-TP11 (0.3m)	SE259696.011	%	60 - 130%	87
	ST-1741-TP12 (0.3m)	SE259696.013	%	60 - 130%	85
	ST-1741-TP13 (0.3m)	SE259696.014	%	60 - 130%	95
	ST-1741-TP14 (0.3m)	SE259696.015	%	60 - 130%	101
	ST-1741-TP15 (0.25m)	SE259696.016	%	60 - 130%	79
	ST-1741-TP16 (0.3m)	SE259696.017	%	60 - 130%	79
	ST-1741-TP17 (0.8m)	SE259696.018	%	60 - 130%	90
	ST-1741-TP18 (0.25m)	SE259696.019	%	60 - 130%	88
	ST-1741-TP19 (0.8m)	SE259696.020	%	60 - 130%	91
	ST-1741-TP20 (0.2m	SE259696.021	%	60 - 130%	77
	ST-1741-TP21 (0.2m)	SE259696.022	%	60 - 130%	89
	ST-1741-TP22 (0.25m)	SE259696.023	%	60 - 130%	95
	ST-1741-TP23 (0.25m)	SE259696.024	%	60 - 130%	98
	ST-1741-TP24 (0.8m)	SE259696.025	%	60 - 130%	91
	ST-1741-TP25 (0.75m)	SE259696.026	%	60 - 130%	93
	ST-1741-TP26 (0.3m)	SE259696.027	%	60 - 130%	89
	ST-1741-TP27 (0.3m)	SE259696.028	%	60 - 130%	84
	ST-1741-TP28 (0.8m)	SE259696.029	%	60 - 130%	89
	ST-1741-TP29 (0.25m)	SE259696.030	%	60 - 130%	98
	ST-1741-TP30 (0.25m)	SE259696.031	%	60 - 130%	90
	ST-1741-TP31 (0.25m)	SE259696.032	%	60 - 130%	79
	ST-1741-TP31 (0.8m)	SE259696.033	%	60 - 130%	87
	ST-1741-TP33 (0.25m)	SE259696.035	%	60 - 130%	90
	ST-1741-TP34 (0.25m)	SE259696.036	%	60 - 130%	97
	ST-1741-TP35 (0.25m)	SE259696.037	%	60 - 130%	100
	ST-1741-TP36 (0.8m)	SE259696.038	%	60 - 130%	90
	ST-1741-TP37 (0.2m)	SE259696.039	%	60 - 130%	80
	ST-1741-TP38 (0.2m)	SE259696.040	%	60 - 130%	75
	ST-1741-TP39 (0.8m)	SE259696.041	%	60 - 130%	67
	ST-1741-TP40 (0.2m)	SE259696.042	%	60 - 130%	76
	ST-1741-TP41 (0.3m)	SE259696.043	%	60 - 130%	86
	ST-1741-TP42 (0.25m)	SE259696.044	%	60 - 130%	90
	ST-1741-TP43 (0.3m)	SE259696.045	%	60 - 130%	89
	ST-1741-TP44 (0.3m)	SE259696.046	%	60 - 130%	84
	ST-1741-TP45 (0.25m)	SE259696.047	%	60 - 130%	82
	ST-1741-TP46 (0.2m)	SE259696.048	%	60 - 130%	85
	ST-1741-TP47 (0.75m)	SE259696.050	%	60 - 130%	77

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d8-toluene (Surrogate)	ST-1741-TP48 (0.3m)	SE259696.051	%	60 - 130%	81
	ST-1741-TP49 (0.3m)	SE259696.052	%	60 - 130%	84
	ST-1741-TP50 (0.3m)	SE259696.053	%	60 - 130%	76
	ST-1741-TP51 (0.3m)	SE259696.054	%	60 - 130%	104
	ST-1741-TP52 (0.2m)	SE259696.055	%	60 - 130%	77
	ST-1741-BR1	SE259696.056	%	60 - 130%	82
	ST-1741-BR2	SE259696.057	%	60 - 130%	78
	ST-1741-BR3	SE259696.058	%	60 - 130%	86
	ST-1741-BR4	SE259696.059	%	60 - 130%	85
	ST-1741-BR5	SE259696.060	%	60 - 130%	89
	ST-1741-STK-1A	SE259696.061	%	60 - 130%	86
	ST-1741-STK-1B	SE259696.062	%	60 - 130%	88
	ST-1741-STK-1C	SE259696.063	%	60 - 130%	83
	ST-1741-STK-2A	SE259696.064	%	60 - 130%	94
	ST-1741-STK-2B	SE259696.065	%	60 - 130%	89
	ST-1741-STK-2C	SE259696.066	%	60 - 130%	78
	ST-1741-STK-2D	SE259696.067	%	60 - 130%	90
	Trip Blank	SE259696.069	%	60 - 130%	99

Volatile Petroleum Hydrocarbons in Water — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	109
d4-1,2-dichloroethane (Surrogate)	ST-1741-RIN	SE259696.068	%	60 - 130%	96
d8-toluene (Surrogate)	ST-1741-RIN	SE259696.068	%	40 - 130%	101

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Exchangeable Cations and Cation Exchange Capacity (CEC/ESP/SAR)

Method: ME-(AU)-[ENV]AN122

Sample Number	Parameter	Units	LOR	Result
LB302854.001	Exchangeable Sodium, Na	mg/kg	2	-1.251
	Exchangeable Potassium, K	mg/kg	2	0
	Exchangeable Calcium, Ca	mg/kg	2	-0.3079
	Exchangeable Magnesium, Mg	mg/kg	2	-0.176

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Number	Parameter	Units	LOR	Result
LB302484.001	Mercury	mg/L	0.0001	<0.0001

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB302456.001	Mercury	mg/kg	0.05	<0.05
LB302457.001	Mercury	mg/kg	0.05	<0.05
LB302458.001	Mercury	mg/kg	0.05	<0.05
LB302467.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302426.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	96
LB302427.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302427.001		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	98
LB302428.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	95
LB302461.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	97

OC Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB302637.001	Alpha BHC	µg/L	0.1	<0.1
	Hexachlorobenzene (HCB)	µg/L	0.1	<0.1
	Beta BHC	µg/L	0.1	<0.1
	Lindane (gamma BHC)	µg/L	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OC Pesticides in Water (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302637.001		Delta BHC	µg/L	0.1	<0.1
		Heptachlor	µg/L	0.1	<0.1
		Aldrin	µg/L	0.1	<0.1
		Isodrin	µg/L	0.1	<0.1
		Heptachlor epoxide	µg/L	0.1	<0.1
		Gamma Chlordane	µg/L	0.1	<0.1
		Alpha Chlordane	µg/L	0.1	<0.1
		Alpha Endosulfan	µg/L	0.1	<0.1
		p,p'-DDE	µg/L	0.1	<0.1
		Dieldrin	µg/L	0.1	<0.1
		Endrin	µg/L	0.1	<0.1
		Beta Endosulfan	µg/L	0.1	<0.1
		p,p'-DDD	µg/L	0.1	<0.1
		Endrin aldehyde	µg/L	0.1	<0.1
		Endosulfan sulphate	µg/L	0.1	<0.1
		p,p'-DDT	µg/L	0.1	<0.1
		Endrin ketone	µg/L	0.1	<0.1
		Methoxychlor	µg/L	0.1	<0.1
		Mirex	µg/L	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	101

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302426.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	88
		d14-p-terphenyl (Surrogate)	%	-	102
LB302427.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	103
		d14-p-terphenyl (Surrogate)	%	-	108
LB302428.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	72

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302428.001	Surrogates	d14-p-terphenyl (Surrogate)	%	-	78
LB302461.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	102
		d14-p-terphenyl (Surrogate)	%	-	108

OP Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302637.001		Azinphos-methyl	µg/L	0.2	<0.2
		Bromophos Ethyl	µg/L	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	µg/L	0.2	<0.2
		Diazinon (Dimpylate)	µg/L	0.5	<0.5
		Dichlorvos	µg/L	0.5	<0.5
		Dimethoate	µg/L	0.5	<0.5
		Ethion	µg/L	0.2	<0.2
		Fenitrothion	µg/L	0.2	<0.2
		Malathion	µg/L	0.2	<0.2
		Methidathion	µg/L	0.5	<0.5
		Parathion-ethyl (Parathion)	µg/L	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	80
		d14-p-terphenyl (Surrogate)	%	-	90

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302426.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	94
		2-fluorobiphenyl (Surrogate)	%	-	88
		d14-p-terphenyl (Surrogate)	%	-	102
LB302427.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302427.001		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	107
		2-fluorobiphenyl (Surrogate)	%	-	103
		d14-p-terphenyl (Surrogate)	%	-	108
LB302428.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	77
		2-fluorobiphenyl (Surrogate)	%	-	72
		d14-p-terphenyl (Surrogate)	%	-	78
LB302461.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	113
		2-fluorobiphenyl (Surrogate)	%	-	102
		d14-p-terphenyl (Surrogate)	%	-	108

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB302637.001	Naphthalene	µg/L	0.1	<0.1
	2-methylnaphthalene	µg/L	0.1	<0.1
	1-methylnaphthalene	µg/L	0.1	<0.1
	Acenaphthylene	µg/L	0.1	<0.1
	Acenaphthene	µg/L	0.1	<0.1
	Fluorene	µg/L	0.1	<0.1
	Phenanthrene	µg/L	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Water (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB302637.001		Anthracene	µg/L	0.1	<0.1
		Fluoranthene	µg/L	0.1	<0.1
		Pyrene	µg/L	0.1	<0.1
		Benzo(a)anthracene	µg/L	0.1	<0.1
		Chrysene	µg/L	0.1	<0.1
		Benzo(a)pyrene	µg/L	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	µg/L	0.1	<0.1
		Dibenzo(ah)anthracene	µg/L	0.1	<0.1
		Benzo(ghi)perylene	µg/L	0.1	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	76
		2-fluorobiphenyl (Surrogate)	%	-	80
		d14-p-terphenyl (Surrogate)	%	-	90

TOC in Soil

Method: ME-(AU)-[ENV]AN188

Sample Number	Parameter	Units	LOR	Result
LB302875.001	Total Organic Carbon	%w/w	0.05	<0.05

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB302437.001	Iron, Fe	mg/kg	50	<50
LB302438.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB302439.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB302441.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB302466.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number	Parameter	Units	LOR	Result
LB302482.001	Arsenic	µg/L	1	<1
	Cadmium	µg/L	0.1	<0.1
	Chromium	µg/L	1	<1
	Copper	µg/L	1	<1
	Lead	µg/L	1	<1
	Nickel	µg/L	1	<1
	Zinc	µg/L	5	<5

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB302426.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB302427.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB302428.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB302461.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB302637.001	TRH C10-C14	µg/L	50	<50
	TRH C15-C28	µg/L	200	<200
	TRH C29-C36	µg/L	200	<200
	TRH C37-C40	µg/L	200	<200

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB302429.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	95
		d8-toluene (Surrogate)	%	-	99
		Bromofluorobenzene (Surrogate)	%	-	95
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB302430.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	92
		d8-toluene (Surrogate)	%	-	91
		Bromofluorobenzene (Surrogate)	%	-	78
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB302431.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	110
		d8-toluene (Surrogate)	%	-	101
		Bromofluorobenzene (Surrogate)	%	-	97
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB302462.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB302462.001	Monocyclic Aromatic Hydrocarbons	Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	102
		d8-toluene (Surrogate)	%	-	101
		Bromofluorobenzene (Surrogate)	%	-	95
	Totals	Total BTEX*	mg/kg	0.6	<0.6

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB302757.001	Monocyclic Aromatic Hydrocarbons	Benzene	µg/L	0.5	<0.5
		Toluene	µg/L	0.5	<0.5
		Ethylbenzene	µg/L	0.5	<0.5
		m/p-xylene	µg/L	1	<1
		o-xylene	µg/L	0.5	<0.5
	Polycyclic VOCs	Naphthalene (VOC)*	µg/L	0.5	<0.5
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	95
		d8-toluene (Surrogate)	%	-	98
		Bromofluorobenzene (Surrogate)	%	-	104

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB302429.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	95
LB302430.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	92
LB302431.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	110
LB302462.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	102

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB302757.001		TRH C6-C9	µg/L	40	<40
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	95
		d8-toluene (Surrogate)	%	-	98
		Bromofluorobenzene (Surrogate)	%	-	104

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259709.001	LB302484.014	Mercury	µg/L	0.0001	<0.0001	<0.0001	92	9
SE259726.005	LB302484.020	Mercury	µg/L	0.0001	<0.0001	<0.0001	84	11

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302456.014	Mercury	mg/kg	0.05	0.12	0.09	79	32
SE259696.020	LB302456.024	Mercury	mg/kg	0.05	0.05	0.05	126	8
SE259696.030	LB302457.014	Mercury	mg/kg	0.05	0.07	0.08	95	19
SE259696.040	LB302457.024	Mercury	mg/kg	0.05	<0.05	<0.05	200	0
SE259696.051	LB302458.014	Mercury	mg/kg	0.05	<0.05	<0.05	200	0
SE259696.060	LB302458.024	Mercury	mg/kg	0.05	<0.05	<0.05	192	0
SE259696.062	LB302467.014	Mercury	mg/kg	0.05	<0.05	<0.05	159	0
SE259706.001	LB302467.024	Mercury	mg/kg	0.05	<0.05	<0.05	200	0

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302432.011	% Moisture	%w/w	1	16.8	15.7	36	7
SE259696.020	LB302432.021	% Moisture	%w/w	1	20.7	19.2	35	8
SE259696.030	LB302433.011	% Moisture	%w/w	1	18.1	16.6	36	9
SE259696.040	LB302433.021	% Moisture	%w/w	1	22.6	22.0	34	3
SE259696.049	LB302479.004	% Moisture	%w/w	1	26.8	26.7	34	0
SE259696.051	LB302434.011	% Moisture	%w/w	1	17.6	16.8	36	5
SE259696.060	LB302434.021	% Moisture	%w/w	1	12.3	12.0	38	2
SE259696.061	LB302463.011	% Moisture	%w/w	1	18.8	16.8	36	11
SE259698.003	LB302463.022	% Moisture	%w/w	1	5.4	3.8	52	35
SE259706.001	LB302463.024	% Moisture	%w/w	1	5.0	5.6	49	11

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302426.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.15	0.15	30	3
SE259696.020	LB302426.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.020	LB302426.024		Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	0
SE259696.030	LB302427.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	4
SE259696.040	LB302427.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.040	LB302427.024		Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.17	30	3
SE259696.051	LB302428.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.19	0.18	30	5
SE259696.060	LB302428.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.060	LB302428.024		Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	3
SE259696.062	LB302461.032		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.14	30	19
SE259706.001	LB302461.033		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259706.001	LB302461.033		Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.13	30	2

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302426.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE259696.020	LB302426.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	0
SE259696.030	LB302427.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OP Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.030	LB302427.014		Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	5
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	3
SE259696.040	LB302427.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	11
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.6	30	9
SE259696.051	LB302428.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	5
SE259696.060	LB302428.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	2
SE259696.062	LB302461.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.062	LB302461.014		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	4
SE259706.001	LB302461.025		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	5
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	12

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302426.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	2
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE259696.020	LB302426.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.020	LB302426.024		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	1
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	0
SE259696.030	LB302427.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	4
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	5
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	3
SE259696.040	LB302427.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	15
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	11
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.6	30	9
SE259696.051	LB302428.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.051	LB302428.014		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.6	30	4
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	5
SE259696.060	LB302428.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.6	30	3
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	2
SE259696.062	LB302461.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.062	LB302461.014		Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.6	30	3
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	4
SE259706.001	LB302461.025		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.6	30	2
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	5
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	30	12

pH in soil (1:5)

Method: ME-(AU)-[ENV]AN101

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.049	LB302559.007	pH (CaCl2)*	pH Units	0.1	5.1	5.1	32	0

TOC in Soil

Method: ME-(AU)-[ENV]AN188

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.012	LB302875.004	Total Organic Carbon	%w/w	0.05	0.12	0.09	77	28

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302438.014	Arsenic, As	mg/kg	1	3	3	63	1
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	19	16	33	17
		Copper, Cu	mg/kg	0.5	6.7	6.2	38	9
		Nickel, Ni	mg/kg	0.5	4.1	3.6	43	12
		Lead, Pb	mg/kg	1	19	17	36	7
		Zinc, Zn	mg/kg	2	10	9.2	51	8
SE259696.020	LB302438.024	Arsenic, As	mg/kg	1	3	4	57	34

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued) — **Method: ME-(AU)-[ENV]AN040/AN320**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.020	LB302438.024	Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	67	60	31	12
		Copper, Cu	mg/kg	0.5	11	11	35	2
		Nickel, Ni	mg/kg	0.5	7.1	6.9	37	3
		Lead, Pb	mg/kg	1	11	11	39	4
		Zinc, Zn	mg/kg	2	13	13	45	3
SE259696.030	LB302439.014	Arsenic, As	mg/kg	1	3	3	65	6
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	44	42	31	5
		Copper, Cu	mg/kg	0.5	12	12	34	3
		Nickel, Ni	mg/kg	0.5	7.7	8.2	36	6
		Lead, Pb	mg/kg	1	14	15	37	6
		Zinc, Zn	mg/kg	2	12	13	46	2
SE259696.040	LB302439.024	Arsenic, As	mg/kg	1	2	3	68	10
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	37	49	31	27
		Copper, Cu	mg/kg	0.5	15	15	33	1
		Nickel, Ni	mg/kg	0.5	10	10	35	1
		Lead, Pb	mg/kg	1	15	15	37	2
		Zinc, Zn	mg/kg	2	140	150	31	8
SE259696.049	LB302437.007	Iron, Fe	mg/kg	50	80000	85000	30	6
SE259696.051	LB302441.014	Arsenic, As	mg/kg	1	4	4	55	17
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	220	330	30	42 ②
		Copper, Cu	mg/kg	0.5	23	21	32	10
		Nickel, Ni	mg/kg	0.5	41	35	31	14
		Lead, Pb	mg/kg	1	14	18	36	24
		Zinc, Zn	mg/kg	2	35	44	35	22
SE259696.060	LB302441.024	Arsenic, As	mg/kg	1	3	3	65	19
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	81	67	31	19
		Copper, Cu	mg/kg	0.5	14	14	33	1
		Nickel, Ni	mg/kg	0.5	12	12	34	4
		Lead, Pb	mg/kg	1	16	14	37	11
		Zinc, Zn	mg/kg	2	21	21	40	1
SE259696.062	LB302466.014	Arsenic, As	mg/kg	1	3	3	63	7
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	190	270	30	34 ②
		Copper, Cu	mg/kg	0.5	17	15	33	14
		Nickel, Ni	mg/kg	0.5	18	17	33	6
		Lead, Pb	mg/kg	1	14	15	37	7
		Zinc, Zn	mg/kg	2	40	40	35	1
SE259706.001	LB302466.024	Arsenic, As	mg/kg	1	<1	<1	200	0
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	4.0	5.4	41	29
		Copper, Cu	mg/kg	0.5	3.2	4.3	43	29
		Nickel, Ni	mg/kg	0.5	1.8	2.2	55	23
		Lead, Pb	mg/kg	1	3	3	62	0
		Zinc, Zn	mg/kg	2	21	26	38	21

Trace Metals (Dissolved) in Water by ICPMS — **Method: ME-(AU)-[ENV]AN318**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259726.002	LB302482.014	Arsenic	µg/L	1	<1	<1	200	0
		Cadmium	µg/L	0.1	<0.1	<0.1	139	0
		Chromium	µg/L	1	<1	<1	200	0
		Copper	µg/L	1	4	4	41	0
		Lead	µg/L	1	<1	<1	200	0
		Nickel	µg/L	1	94	90	16	3
		Zinc	µg/L	5	55	50	25	10
SE259726.005	LB302482.018	Arsenic	µg/L	1	<1	<1	200	0
		Cadmium	µg/L	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Trace Metals (Dissolved) in Water by ICPMS (continued)

Method: ME-(AU)-[ENV]AN318

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259726.005	LB302482.018	Chromium	µg/L	1	<1	<1	200	0
		Copper	µg/L	1	<1	<1	200	0
		Lead	µg/L	1	<1	<1	200	0
		Nickel	µg/L	1	<1	<1	200	0
		Zinc	µg/L	5	<5	<5	200	0

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302426.014		TRH C10-C14	mg/kg	20	22	<20	130	8
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	141	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.020	LB302426.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.030	LB302427.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.040	LB302427.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	172	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	198	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.051	LB302428.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	53	128	16
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	181	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.060	LB302428.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	195	0
			TRH C29-C36	mg/kg	45	<45	<45	165	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.060	LB302428.024		TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259696.062	LB302461.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	157	0
			TRH C29-C36	mg/kg	45	72	81	89	12
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	174	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	92	110	119	16
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE259706.001	LB302461.025		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302429.014	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.5	11.1	50	39
			d8-toluene (Surrogate)	mg/kg	-	8.5	11.6	50	30
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.7	11.9	50	42
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259696.020	LB302429.024	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.1	7.6	50	5
			d8-toluene (Surrogate)	mg/kg	-	9.1	7.4	50	21
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.2	7.7	50	7
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259696.030	LB302430.014	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.5	10.7	50	3
			d8-toluene (Surrogate)	mg/kg	-	9.8	10.3	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.3	7.7	50	4

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.030	LB302430.014	Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259696.040	LB302430.024	Monocyclic	Benzene	mg/kg	0.1	0.3	0.3	61	5
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.7	9.9	50	2
			d8-toluene (Surrogate)	mg/kg	-	7.5	7.0	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	4.6	4.7	50	2
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	124	5
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259696.051	LB302431.014	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.6	10.2	50	7
			d8-toluene (Surrogate)	mg/kg	-	8.1	8.6	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.8	8.3	50	7
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259696.060	LB302431.024	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.6	11.2	50	6
			d8-toluene (Surrogate)	mg/kg	-	8.9	9.4	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.7	9.2	50	6
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259704.001	LB302462.033	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.9	8.5	50	4
			d8-toluene (Surrogate)	mg/kg	-	9.3	9.0	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10.1	50	2
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE259706.001	LB302462.030	Monocyclic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
		Aromatic	Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.6	9.4	50	2
			d8-toluene (Surrogate)	mg/kg	-	8.9	8.7	50	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.6	8.3	50	4
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.6	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

VOCs in Water (continued)

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259599.010	LB302757.023	Monocyclic Aromatic	Benzene	µg/L	0.5	<0.5	<0.5	200	0
			Toluene	µg/L	0.5	1.6	1.4	64	13
			Ethylbenzene	µg/L	0.5	<0.5	<0.5	200	0
			m/p-xylene	µg/L	1	<1	<1	179	0
			o-xylene	µg/L	0.5	0.5	<0.5	157	4
		Polycyclic	Naphthalene (VOC)*	µg/L	0.5	0.6	0.7	107	25
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.8	11.1	30	12
			d8-toluene (Surrogate)	µg/L	-	10.3	10.6	30	2
			Bromofluorobenzene (Surrogate)	µg/L	-	9.7	8.4	30	15
		Totals	Total BTEX	µg/L	3	<3	<3	200	0
SE259710.002	LB302757.024	Monocyclic Aromatic	Benzene	µg/L	0.5	<0.5	<0.5	200	0
			Toluene	µg/L	0.5	<0.5	<0.5	200	0
			Ethylbenzene	µg/L	0.5	<0.5	<0.5	200	0
			m/p-xylene	µg/L	1	<1	<1	200	0
			o-xylene	µg/L	0.5	<0.5	<0.5	200	0
		Polycyclic	Naphthalene (VOC)*	µg/L	0.5	<0.5	<0.5	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.0	11.4	30	14
			d8-toluene (Surrogate)	µg/L	-	10.1	10.4	30	3
			Bromofluorobenzene (Surrogate)	µg/L	-	9.7	8.2	30	17
		Totals	Total BTEX	µg/L	3	<3	<3	200	0

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.010	LB302429.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.5	11.1	50	39
			d8-toluene (Surrogate)	mg/kg	-	8.5	11.6	50	30
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.7	11.9	50	42
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259696.020	LB302429.024		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.1	7.6	50	5
			d8-toluene (Surrogate)	mg/kg	-	9.1	7.4	50	21
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.2	7.7	50	7
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259696.030	LB302430.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.5	10.7	50	3
			d8-toluene (Surrogate)	mg/kg	-	9.8	10.3	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.3	7.7	50	4
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259696.040	LB302430.024		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.7	9.9	50	2
			d8-toluene (Surrogate)	mg/kg	-	7.5	7.0	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	4.6	4.7	50	2
		VPH F Bands	Benzene (F0)	mg/kg	0.1	0.3	0.3	61	5
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259696.051	LB302431.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.6	10.2	50	7
			d8-toluene (Surrogate)	mg/kg	-	8.1	8.6	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.8	8.3	50	7
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259696.060	LB302431.024		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.6	11.2	50	6

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Volatile Petroleum Hydrocarbons in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696.060	LB302431.024	Surrogates	d8-toluene (Surrogate)	mg/kg	-	8.9	9.4	50	6
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.7	9.2	50	6
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259704.001	LB302462.031		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.9	8.5	50	4
			d8-toluene (Surrogate)	mg/kg	-	9.3	9.0	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10.1	50	2
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE259706.001	LB302462.030		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.6	9.4	50	2
			d8-toluene (Surrogate)	mg/kg	-	8.9	8.7	50	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.6	8.3	50	4
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259599.010	LB302757.023		TRH C6-C10	µg/L	50	<50	<50	200	0
			TRH C6-C9	µg/L	40	<40	<40	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.8	11.1	30	12
			d8-toluene (Surrogate)	µg/L	-	10.3	10.6	30	2
			Bromofluorobenzene (Surrogate)	µg/L	-	9.7	8.4	30	15
		VPH F Bands	Benzene (F0)	µg/L	0.5	<0.5	<0.5	200	0
			TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	<50	200	0
SE259710.002	LB302757.024		TRH C6-C10	µg/L	50	<50	<50	200	0
			TRH C6-C9	µg/L	40	<40	<40	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.0	11.4	30	14
			d8-toluene (Surrogate)	µg/L	-	10.1	10.4	30	3
			Bromofluorobenzene (Surrogate)	µg/L	-	9.7	8.2	30	17
		VPH F Bands	Benzene (F0)	µg/L	0.5	<0.5	<0.5	200	0
			TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	<50	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Exchangeable Cations and Cation Exchange Capacity (CEC/ESP/SAR)

Method: ME-(AU)-[ENV]AN122

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302854.002	Exchangeable Sodium, Na	meq/100g	0.01	0.20	0.194	80 - 120	104
	Exchangeable Potassium, K	meq/100g	0.01	0.68	0.63	80 - 120	109
	Exchangeable Calcium, Ca	meq/100g	0.01	5.5	6.3	80 - 120	87
	Exchangeable Magnesium, Mg	meq/100g	0.02	1.1	1.11	80 - 120	102

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302456.002	Mercury	mg/kg	0.05	0.18	0.2	80 - 120	88
LB302457.002	Mercury	mg/kg	0.05	0.18	0.2	80 - 120	88
LB302458.002	Mercury	mg/kg	0.05	0.18	0.2	80 - 120	89
LB302467.002	Mercury	mg/kg	0.05	0.20	0.2	80 - 120	98

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302426.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	86
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	94
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	94
		Dieldrin	mg/kg	0.2	<0.2	0.2	60 - 140	93
		Endrin	mg/kg	0.2	<0.2	0.2	60 - 140	89
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	109
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.15	40 - 130	92
LB302427.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	97
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	102
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	102
		Dieldrin	mg/kg	0.2	<0.2	0.2	60 - 140	100
		Endrin	mg/kg	0.2	<0.2	0.2	60 - 140	96
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	94
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.15	40 - 130	93
LB302428.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	109
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	111
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	112
		Dieldrin	mg/kg	0.2	0.2	0.2	60 - 140	110
		Endrin	mg/kg	0.2	0.2	0.2	60 - 140	106
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	89
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.15	40 - 130	105
LB302461.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	106
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	107
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	107
		Dieldrin	mg/kg	0.2	0.2	0.2	60 - 140	108
		Endrin	mg/kg	0.2	0.2	0.2	60 - 140	105
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	114
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.15	0.15	40 - 130	103

OC Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302637.002		Delta BHC	µg/L	0.1	0.2	0.2	60 - 140	102
		Heptachlor	µg/L	0.1	0.2	0.2	60 - 140	108
		Aldrin	µg/L	0.1	0.2	0.2	60 - 140	108
		Dieldrin	µg/L	0.1	0.2	0.2	60 - 140	103
		Endrin	µg/L	0.1	0.2	0.2	60 - 140	100
		p,p'-DDT	µg/L	0.1	0.2	0.2	60 - 140	110
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	µg/L	-	0.15	0.15	40 - 130	103

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302426.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.7	2	60 - 140	86
		Diazinon (Dimpylate)	mg/kg	0.5	1.8	2	60 - 140	90
		Dichlorvos	mg/kg	0.5	1.3	2	60 - 140	63
		Ethion	mg/kg	0.2	1.5	2	60 - 140	77
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	108
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	104
LB302427.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.9	2	60 - 140	94
		Diazinon (Dimpylate)	mg/kg	0.5	1.9	2	60 - 140	94

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302427.002		Dichlorvos	mg/kg	0.5	1.3	2	60 - 140	67
		Ethion	mg/kg	0.2	1.6	2	60 - 140	79
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	103
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	111
LB302428.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.6	2	60 - 140	79
		Diazinon (Dimpylate)	mg/kg	0.5	1.7	2	60 - 140	83
		Dichlorvos	mg/kg	0.5	1.4	2	60 - 140	71
		Ethion	mg/kg	0.2	1.4	2	60 - 140	72
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	121
LB302461.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.9	2	60 - 140	96
		Diazinon (Dimpylate)	mg/kg	0.5	1.9	2	60 - 140	96
		Dichlorvos	mg/kg	0.5	1.6	2	60 - 140	81
		Ethion	mg/kg	0.2	1.7	2	60 - 140	83
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	111

OP Pesticides in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302637.002		Chlorpyrifos (Chlorpyrifos Ethyl)	µg/L	0.2	9.3	8	60 - 140	116
		Diazinon (Dimpylate)	µg/L	0.5	9.4	8	60 - 140	118
		Dichlorvos	µg/L	0.5	8.7	8	60 - 140	109
		Ethion	µg/L	0.2	9.8	8	60 - 140	123
	Surrogates	2-fluorobiphenyl (Surrogate)	µg/L	-	0.4	0.5	40 - 130	78
		d14-p-terphenyl (Surrogate)	µg/L	-	0.4	0.5	40 - 130	82

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302426.002		Naphthalene	mg/kg	0.1	4.5	4	60 - 140	113
		Acenaphthylene	mg/kg	0.1	4.1	4	60 - 140	103
		Acenaphthene	mg/kg	0.1	4.3	4	60 - 140	106
		Phenanthrene	mg/kg	0.1	4.1	4	60 - 140	102
		Anthracene	mg/kg	0.1	4.3	4	60 - 140	107
		Fluoranthene	mg/kg	0.1	4.2	4	60 - 140	104
		Pyrene	mg/kg	0.1	4.1	4	60 - 140	102
		Benzo(a)pyrene	mg/kg	0.1	5.0	4	60 - 140	125
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	107
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	108
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	104
LB302427.002		Naphthalene	mg/kg	0.1	4.7	4	60 - 140	117
		Acenaphthylene	mg/kg	0.1	4.4	4	60 - 140	110
		Acenaphthene	mg/kg	0.1	4.7	4	60 - 140	118
		Phenanthrene	mg/kg	0.1	4.7	4	60 - 140	118
		Anthracene	mg/kg	0.1	4.7	4	60 - 140	117
		Fluoranthene	mg/kg	0.1	4.8	4	60 - 140	119
		Pyrene	mg/kg	0.1	4.9	4	60 - 140	121
		Benzo(a)pyrene	mg/kg	0.1	5.1	4	60 - 140	129
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	103
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	111
LB302428.002		Naphthalene	mg/kg	0.1	4.3	4	60 - 140	106
		Acenaphthylene	mg/kg	0.1	4.2	4	60 - 140	106
		Acenaphthene	mg/kg	0.1	4.4	4	60 - 140	109
		Phenanthrene	mg/kg	0.1	4.3	4	60 - 140	107
		Anthracene	mg/kg	0.1	4.2	4	60 - 140	106
		Fluoranthene	mg/kg	0.1	4.2	4	60 - 140	106
		Pyrene	mg/kg	0.1	4.9	4	60 - 140	122
		Benzo(a)pyrene	mg/kg	0.1	4.9	4	60 - 140	123
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	116
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	121
LB302461.002		Naphthalene	mg/kg	0.1	4.2	4	60 - 140	104

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302461.002		Acenaphthylene	mg/kg	0.1	3.9	4	60 - 140	99
		Acenaphthene	mg/kg	0.1	4.2	4	60 - 140	104
		Phenanthrene	mg/kg	0.1	4.2	4	60 - 140	104
		Anthracene	mg/kg	0.1	4.2	4	60 - 140	105
		Fluoranthene	mg/kg	0.1	4.2	4	60 - 140	106
		Pyrene	mg/kg	0.1	4.2	4	60 - 140	106
		Benzo(a)pyrene	mg/kg	0.1	4.7	4	60 - 140	118
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	111
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	105
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	40 - 130	111

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302637.002		Naphthalene	µg/L	0.1	36	40	60 - 140	91
		Acenaphthylene	µg/L	0.1	40	40	60 - 140	100
		Acenaphthene	µg/L	0.1	42	40	60 - 140	104
		Phenanthrene	µg/L	0.1	40	40	60 - 140	99
		Anthracene	µg/L	0.1	39	40	60 - 140	98
		Fluoranthene	µg/L	0.1	40	40	60 - 140	100
		Pyrene	µg/L	0.1	40	40	60 - 140	99
		Benzo(a)pyrene	µg/L	0.1	43	40	60 - 140	108
	Surrogates	d5-nitrobenzene (Surrogate)	µg/L	-	0.4	0.5	40 - 130	72
		2-fluorobiphenyl (Surrogate)	µg/L	-	0.4	0.5	40 - 130	78
		d14-p-terphenyl (Surrogate)	µg/L	-	0.4	0.5	40 - 130	82

TOC in Soil

Method: ME-(AU)-[ENV]AN188

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302875.002	Total Organic Carbon	%w/w	0.05	0.30	0.325	80 - 120	92

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302437.002	Iron, Fe	mg/kg	50	43000	39905	80 - 120	108
LB302438.002	Arsenic, As	mg/kg	1	320	318.22	80 - 120	101
	Cadmium, Cd	mg/kg	0.3	3.9	4.81	70 - 130	82
	Chromium, Cr	mg/kg	0.5	42	38.31	80 - 120	110
	Copper, Cu	mg/kg	0.5	300	290	80 - 120	105
	Nickel, Ni	mg/kg	0.5	190	187	80 - 120	101
	Lead, Pb	mg/kg	1	92	89.9	80 - 120	103
	Zinc, Zn	mg/kg	2	280	273	80 - 120	101
LB302439.002	Arsenic, As	mg/kg	1	330	318.22	80 - 120	104
	Cadmium, Cd	mg/kg	0.3	4.3	4.81	70 - 130	90
	Chromium, Cr	mg/kg	0.5	43	38.31	80 - 120	111
	Copper, Cu	mg/kg	0.5	320	290	80 - 120	110
	Nickel, Ni	mg/kg	0.5	200	187	80 - 120	106
	Lead, Pb	mg/kg	1	97	89.9	80 - 120	108
	Zinc, Zn	mg/kg	2	290	273	80 - 120	105
LB302441.002	Arsenic, As	mg/kg	1	330	318.22	80 - 120	102
	Cadmium, Cd	mg/kg	0.3	4.6	4.81	70 - 130	95
	Chromium, Cr	mg/kg	0.5	44	38.31	80 - 120	115
	Copper, Cu	mg/kg	0.5	320	290	80 - 120	110
	Nickel, Ni	mg/kg	0.5	200	187	80 - 120	109
	Lead, Pb	mg/kg	1	94	89.9	80 - 120	105
	Zinc, Zn	mg/kg	2	280	273	80 - 120	102
LB302466.002	Arsenic, As	mg/kg	1	290	318.22	80 - 120	90
	Cadmium, Cd	mg/kg	0.3	4.0	4.81	70 - 130	83
	Chromium, Cr	mg/kg	0.5	32	38.31	80 - 120	83
	Copper, Cu	mg/kg	0.5	290	290	80 - 120	102
	Nickel, Ni	mg/kg	0.5	190	187	80 - 120	101
	Lead, Pb	mg/kg	1	93	89.9	80 - 120	104
	Zinc, Zn	mg/kg	2	260	273	80 - 120	96

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302482.002		Arsenic	µg/L	1	20	20	80 - 120	99
		Cadmium	µg/L	0.1	20	20	80 - 120	101
		Chromium	µg/L	1	21	20	80 - 120	104
		Copper	µg/L	1	21	20	80 - 120	103
		Lead	µg/L	1	20	20	80 - 120	99
		Nickel	µg/L	1	20	20	80 - 120	101
		Zinc	µg/L	5	21	20	80 - 120	103

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302426.002		TRH C10-C14	mg/kg	20	53	40	60 - 140	133
		TRH C15-C28	mg/kg	45	49	40	60 - 140	124
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	81
	TRH F Bands	TRH >C10-C16	mg/kg	25	53	40	60 - 140	131
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	104
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	79
LB302427.002		TRH C10-C14	mg/kg	20	40	40	60 - 140	100
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	94
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	93
	TRH F Bands	TRH >C10-C16	mg/kg	25	39	40	60 - 140	98
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	93
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	96
LB302428.002		TRH C10-C14	mg/kg	20	43	40	60 - 140	107
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	103
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	84
	TRH F Bands	TRH >C10-C16	mg/kg	25	44	40	60 - 140	109
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	92
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	85
LB302461.002		TRH C10-C14	mg/kg	20	45	40	60 - 140	111
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	90
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	83
	TRH F Bands	TRH >C10-C16	mg/kg	25	42	40	60 - 140	106
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	82
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	83

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302637.002		TRH C10-C14	µg/L	50	940	1200	60 - 140	79
		TRH C15-C28	µg/L	200	1200	1200	60 - 140	104
		TRH C29-C36	µg/L	200	1300	1200	60 - 140	108
	TRH F Bands	TRH >C10-C16	µg/L	60	1100	1200	60 - 140	90
		TRH >C16-C34 (F3)	µg/L	500	1300	1200	60 - 140	107
		TRH >C34-C40 (F4)	µg/L	500	690	600	60 - 140	115

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302429.002	Monocyclic Aromatic	Benzene	mg/kg	0.1	4.7	5	60 - 140	94
		Toluene	mg/kg	0.1	4.5	5	60 - 140	90
		Ethylbenzene	mg/kg	0.1	4.4	5	60 - 140	87
		m/p-xylene	mg/kg	0.2	8.3	10	60 - 140	83
		o-xylene	mg/kg	0.1	4.3	5	60 - 140	87
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.8	10	70 - 130	78
		d8-toluene (Surrogate)	mg/kg	-	10.7	10	70 - 130	107
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10	70 - 130	103
LB302430.002	Monocyclic Aromatic	Benzene	mg/kg	0.1	4.7	5	60 - 140	93
		Toluene	mg/kg	0.1	4.5	5	60 - 140	90
		Ethylbenzene	mg/kg	0.1	4.3	5	60 - 140	87
		m/p-xylene	mg/kg	0.2	8.3	10	60 - 140	83
		o-xylene	mg/kg	0.1	4.3	5	60 - 140	86
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.8	10	70 - 130	78
		d8-toluene (Surrogate)	mg/kg	-	10.8	10	70 - 130	108
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.4	10	70 - 130	104

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302431.002	Monocyclic	Benzene	mg/kg	0.1	4.8	5	60 - 140	95
	Aromatic	Toluene	mg/kg	0.1	4.6	5	60 - 140	91
		Ethylbenzene	mg/kg	0.1	4.5	5	60 - 140	89
		m/p-xylene	mg/kg	0.2	8.5	10	60 - 140	85
		o-xylene	mg/kg	0.1	4.5	5	60 - 140	89
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.9	10	70 - 130	79
		d8-toluene (Surrogate)	mg/kg	-	10.9	10	70 - 130	109
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.6	10	70 - 130	106
LB302462.002	Monocyclic	Benzene	mg/kg	0.1	3.0	5	60 - 140	60
	Aromatic	Toluene	mg/kg	0.1	4.3	5	60 - 140	85
		Ethylbenzene	mg/kg	0.1	5.3	5	60 - 140	107
		m/p-xylene	mg/kg	0.2	11	10	60 - 140	109
		o-xylene	mg/kg	0.1	5.7	5	60 - 140	115
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.9	10	70 - 130	99
		d8-toluene (Surrogate)	mg/kg	-	9.7	10	70 - 130	97
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.5	10	70 - 130	95

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302757.002	Monocyclic	Benzene	µg/L	0.5	56	45.45	60 - 140	124
	Aromatic	Toluene	µg/L	0.5	53	45.45	60 - 140	117
		Ethylbenzene	µg/L	0.5	48	45.45	60 - 140	106
		m/p-xylene	µg/L	1	94	90.9	60 - 140	104
		o-xylene	µg/L	0.5	47	45.45	60 - 140	103
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.5	10	60 - 140	105
		d8-toluene (Surrogate)	µg/L	-	11.4	10	70 - 130	114
		Bromofluorobenzene (Surrogate)	µg/L	-	9.8	10	70 - 130	98

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302429.002		TRH C6-C10	mg/kg	25	73	92.5	60 - 140	78
		TRH C6-C9	mg/kg	20	57	80	60 - 140	72
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.8	10	70 - 130	78
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.3	10	70 - 130	103
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	46	62.5	60 - 140	74
LB302430.002		TRH C6-C10	mg/kg	25	74	92.5	60 - 140	80
		TRH C6-C9	mg/kg	20	58	80	60 - 140	73
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.8	10	70 - 130	78
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.4	10	70 - 130	104
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	48	62.5	60 - 140	76
LB302431.002		TRH C6-C10	mg/kg	25	74	92.5	60 - 140	80
		TRH C6-C9	mg/kg	20	58	80	60 - 140	73
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.9	10	70 - 130	79
		Bromofluorobenzene (Surrogate)	mg/kg	-	10.6	10	70 - 130	106
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	48	62.5	60 - 140	76
LB302462.002		TRH C6-C10	mg/kg	25	70	92.5	60 - 140	76
		TRH C6-C9	mg/kg	20	60	80	60 - 140	75
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.9	10	70 - 130	99
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.5	10	70 - 130	95
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	41	62.5	60 - 140	65

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB302757.002		TRH C6-C10	µg/L	50	1100	946.63	60 - 140	121
		TRH C6-C9	µg/L	40	1000	818.71	60 - 140	125
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.5	10	60 - 140	105
		d8-toluene (Surrogate)	µg/L	-	11.4	10	70 - 130	114
		Bromofluorobenzene (Surrogate)	µg/L	-	9.8	10	70 - 130	98
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	µg/L	50	850	639.67	60 - 140	133

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259599.010	LB302484.004	Mercury	mg/L	0.0001	0.0023	0.088	0.008	109

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259596B.024	LB302467.004	Mercury	mg/kg	0.05	0.21	<0.05	0.2	91
SE259696.001	LB302456.004	Mercury	mg/kg	0.05	0.23	<0.05	0.2	94
SE259696.021	LB302457.004	Mercury	mg/kg	0.05	0.26	0.07	0.2	92
SE259696.041	LB302458.004	Mercury	mg/kg	0.05	0.20	<0.05	0.2	90

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259692.001	LB302461.028		Alpha BHC	mg/kg	0.1		<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1		<0.1	-	-
			Beta BHC	mg/kg	0.1		<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1		<0.1	-	-
			Delta BHC	mg/kg	0.1		<0.1	0.2	104
			Heptachlor	mg/kg	0.1		<0.1	0.2	105
			Aldrin	mg/kg	0.1		<0.1	0.2	105
			Isodrin	mg/kg	0.1		<0.1	-	-
			Heptachlor epoxide	mg/kg	0.1		<0.1	-	-
			Gamma Chlordane	mg/kg	0.1		<0.1	-	-
			Alpha Chlordane	mg/kg	0.1		<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2		<0.2	-	-
			o,p'-DDE*	mg/kg	0.1		<0.1	-	-
			p,p'-DDE	mg/kg	0.1		<0.1	-	-
			Dieldrin	mg/kg	0.2		<0.2	0.2	106
			Endrin	mg/kg	0.2		<0.2	0.2	104
			Beta Endosulfan	mg/kg	0.2		<0.2	-	-
			o,p'-DDD*	mg/kg	0.1		<0.1	-	-
			p,p'-DDD	mg/kg	0.1		<0.1	-	-
			Endrin aldehyde	mg/kg	0.1		<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1		<0.1	-	-
			o,p'-DDT*	mg/kg	0.1		<0.1	-	-
			p,p'-DDT	mg/kg	0.1		<0.1	0.2	113
			Endrin ketone	mg/kg	0.1		<0.1	-	-
			Methoxychlor	mg/kg	0.1		<0.1	-	-
			Mirex	mg/kg	0.1		<0.1	-	-
			trans-Nonachlor	mg/kg	0.1		<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1		<1	-	-
			Total OC VIC EPA	mg/kg	1		<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-		0.15	-	100
SE259696.001	LB302426.004		Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	98
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	110
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	108
			Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.2	<0.2	0.2	93
			Endrin	mg/kg	0.2	0.2	<0.2	0.2	106
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.001	LB302426.004		p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.3	<0.1	0.2	127
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1	1	<1	-	-
			Total OC VIC EPA	mg/kg	1	1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.15	0.15	-	102
SE259696.021	LB302427.004		Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	106
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	116
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	115
			Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.2	<0.2	0.2	92
			Endrin	mg/kg	0.2	0.2	<0.2	0.2	108
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	103
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1	1	<1	-	-
			Total OC VIC EPA	mg/kg	1	1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.17	-	110
SE259696.041	LB302428.004		Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	114
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	123
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	122
			Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.2	<0.2	0.2	118
			Endrin	mg/kg	0.2	0.2	<0.2	0.2	115
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

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OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.041	LB302428.004		Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	100
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1	1	<1	-	-
			Total OC VIC EPA	mg/kg	1	1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.17	0.17	-	114

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259692.001	LB302461.027		Azinphos-methyl (Guthion)	mg/kg	0.2		<0.2	-	-
			Bromophos Ethyl	mg/kg	0.2		<0.2	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2		<0.2	2	97
			Diazinon (Dimpylate)	mg/kg	0.5		<0.5	2	96
			Dichlorvos	mg/kg	0.5		<0.5	2	82
			Dimethoate	mg/kg	0.5		<0.5	-	-
			Ethion	mg/kg	0.2		<0.2	2	84
			Fenitrothion	mg/kg	0.2		<0.2	-	-
			Malathion	mg/kg	0.2		<0.2	-	-
			Methidathion	mg/kg	0.5		<0.5	-	-
			Parathion-ethyl (Parathion)	mg/kg	0.2		<0.2	-	-
			Total OP Pesticides*	mg/kg	1.7		<1.7	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-		0.5	-	106
			d14-p-terphenyl (Surrogate)	mg/kg	-		0.5	-	110
SE259696.001	LB302426.004		Azinphos-methyl (Guthion)	mg/kg	0.2	1.4	<0.2	-	-
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.6	<0.2	2	81
			Diazinon (Dimpylate)	mg/kg	0.5	1.7	<0.5	2	84
			Dichlorvos	mg/kg	0.5	1.3	<0.5	2	64
			Dimethoate	mg/kg	0.5	<0.5	<0.5	-	-
			Ethion	mg/kg	0.2	1.4	<0.2	2	70
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	-	-
			Malathion	mg/kg	0.2	<0.2	<0.2	-	-
			Methidathion	mg/kg	0.5	<0.5	<0.5	-	-
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	-	-
			Total OP Pesticides*	mg/kg	1.7	7.3	<1.7	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	104
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	99
SE259696.021	LB302427.004		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	-	-
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.9	<0.2	2	96
			Diazinon (Dimpylate)	mg/kg	0.5	1.9	<0.5	2	93
			Dichlorvos	mg/kg	0.5	1.6	<0.5	2	76
			Dimethoate	mg/kg	0.5	<0.5	<0.5	-	-
			Ethion	mg/kg	0.2	1.7	<0.2	2	83
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	-	-
			Malathion	mg/kg	0.2	<0.2	<0.2	-	-
			Methidathion	mg/kg	0.5	<0.5	<0.5	-	-
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	-	-
			Total OP Pesticides*	mg/kg	1.7	7.0	<1.7	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	107
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	-	112
SE259696.041	LB302428.004		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	-	-
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.3	<0.2	2	66
			Diazinon (Dimpylate)	mg/kg	0.5	1.5	<0.5	2	73
			Dichlorvos	mg/kg	0.5	1.3	<0.5	2	65

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OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.041	LB302428.004		Dimethoate	mg/kg	0.5	<0.5	<0.5	-	-
			Ethion	mg/kg	0.2	1.2	<0.2	2	62
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	-	-
			Malathion	mg/kg	0.2	<0.2	<0.2	-	-
			Methidathion	mg/kg	0.5	<0.5	<0.5	-	-
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	-	-
			Total OP Pesticides*	mg/kg	1.7	5.3	<1.7	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	98
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.6	-	94

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259692.001	LB302461.027		Naphthalene	mg/kg	0.1		<0.1	4	115
			2-methylnaphthalene	mg/kg	0.1		<0.1	-	-
			1-methylnaphthalene	mg/kg	0.1		<0.1	-	-
			Acenaphthylene	mg/kg	0.1		<0.1	4	109
			Acenaphthene	mg/kg	0.1		<0.1	4	115
			Fluorene	mg/kg	0.1		<0.1	-	-
			Phenanthrene	mg/kg	0.1		<0.1	4	114
			Anthracene	mg/kg	0.1		<0.1	4	113
			Fluoranthene	mg/kg	0.1		0.1	4	116
			Pyrene	mg/kg	0.1		0.1	4	114
			Benzo(a)anthracene	mg/kg	0.1		<0.1	-	-
			Chrysene	mg/kg	0.1		<0.1	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1		<0.1	-	-
			Benzo(k)fluoranthene	mg/kg	0.1		<0.1	-	-
			Benzo(a)pyrene	mg/kg	0.1		<0.1	4	130
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1		<0.1	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1		<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1		<0.1	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2		<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2		<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3		<0.3	-	-
			Total PAH (18)	mg/kg	0.8		<0.8	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-		0.6	-	112
			2-fluorobiphenyl (Surrogate)	mg/kg	-		0.5	-	106
			d14-p-terphenyl (Surrogate)	mg/kg	-		0.5	-	110
SE259696.001	LB302426.004		Naphthalene	mg/kg	0.1	4.2	<0.1	4	104
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			Acenaphthylene	mg/kg	0.1	3.9	<0.1	4	97
			Acenaphthene	mg/kg	0.1	4.0	<0.1	4	100
			Fluorene	mg/kg	0.1	<0.1	<0.1	-	-
			Phenanthrene	mg/kg	0.1	3.8	<0.1	4	94
			Anthracene	mg/kg	0.1	4.0	<0.1	4	99
			Fluoranthene	mg/kg	0.1	3.9	<0.1	4	97
			Pyrene	mg/kg	0.1	3.8	<0.1	4	96
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Chrysene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(a)pyrene	mg/kg	0.1	4.5	<0.1	4	113
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	4.5	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	4.6	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	4.7	<0.3	-	-
			Total PAH (18)	mg/kg	0.8	32	<0.8	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	104
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	104

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.001	LB302426.004	Surrogates	d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	99
SE259696.021	LB302427.004		Naphthalene	mg/kg	0.1	4.6	<0.1	4	115
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			Acenaphthylene	mg/kg	0.1	4.3	<0.1	4	108
			Acenaphthene	mg/kg	0.1	4.6	<0.1	4	115
			Fluorene	mg/kg	0.1	<0.1	<0.1	-	-
			Phenanthrene	mg/kg	0.1	4.5	<0.1	4	114
			Anthracene	mg/kg	0.1	4.5	<0.1	4	114
			Fluoranthene	mg/kg	0.1	4.7	<0.1	4	117
			Pyrene	mg/kg	0.1	4.5	<0.1	4	113
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Chrysene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(a)pyrene	mg/kg	0.1	4.9	<0.1	4	122
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	4.9	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	5.0	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	5.0	<0.3	-	-
			Total PAH (18)	mg/kg	0.8	37	<0.8	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	109
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	107
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.6	0.5	-	112
SE259696.041	LB302428.004		Naphthalene	mg/kg	0.1	4.2	<0.1	4	104
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	-	-
			Acenaphthylene	mg/kg	0.1	3.9	<0.1	4	98
			Acenaphthene	mg/kg	0.1	4.2	<0.1	4	104
			Fluorene	mg/kg	0.1	<0.1	<0.1	-	-
			Phenanthrene	mg/kg	0.1	4.2	<0.1	4	104
			Anthracene	mg/kg	0.1	4.0	<0.1	4	99
			Fluoranthene	mg/kg	0.1	4.0	<0.1	4	99
			Pyrene	mg/kg	0.1	3.8	<0.1	4	95
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Chrysene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(a)pyrene	mg/kg	0.1	3.3	<0.1	4	81
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	3.3	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	3.3	<0.2	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	3.4	<0.3	-	-
			Total PAH (18)	mg/kg	0.8	31	<0.8	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	106
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	-	98
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.6	-	94

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259596B.024	LB302466.004	Arsenic, As	mg/kg	1	31	2	50	59 ④
		Cadmium, Cd	mg/kg	0.3	38	<0.3	50	75
		Chromium, Cr	mg/kg	0.5	46	4.3	50	84
		Copper, Cu	mg/kg	0.5	56	14	50	85
		Nickel, Ni	mg/kg	0.5	48	7.1	50	82
		Lead, Pb	mg/kg	1	50	11	50	79
		Zinc, Zn	mg/kg	2	65	23	50	84

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.001	LB302438.004	Arsenic, As	mg/kg	1	50	6	50	87
		Cadmium, Cd	mg/kg	0.3	42	<0.3	50	84
		Chromium, Cr	mg/kg	0.5	64	17	50	94
		Copper, Cu	mg/kg	0.5	59	11	50	95
		Nickel, Ni	mg/kg	0.5	52	4.3	50	95
		Lead, Pb	mg/kg	1	64	19	50	91
		Zinc, Zn	mg/kg	2	68	22	50	93
SE259696.021	LB302439.004	Arsenic, As	mg/kg	1	45	2	50	85
		Cadmium, Cd	mg/kg	0.3	40	<0.3	50	81
		Chromium, Cr	mg/kg	0.5	79	32	50	94
		Copper, Cu	mg/kg	0.5	59	12	50	93
		Nickel, Ni	mg/kg	0.5	53	7.5	50	91
		Lead, Pb	mg/kg	1	57	15	50	85
		Zinc, Zn	mg/kg	2	61	16	50	90
SE259696.041	LB302441.004	Arsenic, As	mg/kg	1	42	3	50	78
		Cadmium, Cd	mg/kg	0.3	41	<0.3	50	83
		Chromium, Cr	mg/kg	0.5	100	74	50	53 ④
		Copper, Cu	mg/kg	0.5	60	12	50	95
		Nickel, Ni	mg/kg	0.5	56	9.9	50	91
		Lead, Pb	mg/kg	1	59	18	50	81
		Zinc, Zn	mg/kg	2	61	20	50	82

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259599.010	LB302482.004	Arsenic	µg/L	1	20	-0.014	20	98
		Cadmium	µg/L	0.1	21	0.006	20	104
		Chromium	µg/L	1	22	0.095	20	107
		Copper	µg/L	1	20	0.053	20	100
		Lead	µg/L	1	19	0.012	20	97
		Nickel	µg/L	1	21	0.002	20	105
		Zinc	µg/L	5	22	1.743	20	104

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259692.001	LB302461.027		TRH C10-C14	mg/kg	20	44	<20	40	107
			TRH C15-C28	mg/kg	45	<45	<45	40	91
			TRH C29-C36	mg/kg	45	<45	<45	40	92
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	<110	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F Bands	TRH >C10-C16	mg/kg	25	42	<25	40	101
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	42	<25	-	-
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	40	87
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-
SE259696.001	LB302426.004		TRH C10-C14	mg/kg	20	49	<20	40	117
			TRH C15-C28	mg/kg	45	51	<45	40	107
			TRH C29-C36	mg/kg	45	<45	<45	40	65
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	<110	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F Bands	TRH >C10-C16	mg/kg	25	49	<25	40	115
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	49	<25	-	-
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	40	84
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-
SE259696.021	LB302427.004		TRH C10-C14	mg/kg	20	43	<20	40	103
			TRH C15-C28	mg/kg	45	79	<45	40	110
			TRH C29-C36	mg/kg	45	93	52	40	102
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	210	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F Bands	TRH >C10-C16	mg/kg	25	43	<25	40	102
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	43	<25	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259696.021	LB302427.004	TRH F Bands	TRH >C16-C34 (F3)	mg/kg	90	120	<90	40	109
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-
SE259696.041	LB302428.004		TRH C10-C14	mg/kg	20	51	<20	40	123
			TRH C15-C28	mg/kg	45	48	<45	40	118
			TRH C29-C36	mg/kg	45	<45	<45	40	99
			TRH C37-C40	mg/kg	100	<100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	<110	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	-	-
		TRH F Bands	TRH >C10-C16	mg/kg	25	51	<25	40	124
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	51	<25	-	-
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	40	107
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	-	-

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259596B.023	LB302462.004	Monocyclic Aromatic	Benzene	mg/kg	0.1	3.8	<0.1	5	76
			Toluene	mg/kg	0.1	4.0	<0.1	5	80
			Ethylbenzene	mg/kg	0.1	5.1	<0.1	5	102
			m/p-xylene	mg/kg	0.2	10	<0.2	10	103
			o-xylene	mg/kg	0.1	5.5	<0.1	5	109
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.1	10.5	10	91
			d8-toluene (Surrogate)	mg/kg	-	9.0	10.4	10	90
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.8	9.9	10	88
		Totals	Total BTEX*	mg/kg	0.6	29	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	16	<0.3	-	-
SE259696.001	LB302429.004	Monocyclic Aromatic	Benzene	mg/kg	0.1	5.7	<0.1	5	114
			Toluene	mg/kg	0.1	5.5	<0.1	5	110
			Ethylbenzene	mg/kg	0.1	5.3	<0.1	5	106
			m/p-xylene	mg/kg	0.2	10	<0.2	10	102
			o-xylene	mg/kg	0.1	5.3	<0.1	5	106
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.0	8.5	10	80
			d8-toluene (Surrogate)	mg/kg	-	10.9	8.8	10	109
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.6	8.7	10	106
		Totals	Total BTEX*	mg/kg	0.6	32	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	16	<0.3	-	-
SE259696.021	LB302430.004	Monocyclic Aromatic	Benzene	mg/kg	0.1	5.2	<0.1	5	104
			Toluene	mg/kg	0.1	5.0	<0.1	5	99
			Ethylbenzene	mg/kg	0.1	4.8	<0.1	5	96
			m/p-xylene	mg/kg	0.2	9.2	<0.2	10	91
			o-xylene	mg/kg	0.1	4.8	<0.1	5	95
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.2	7.3	10	72
			d8-toluene (Surrogate)	mg/kg	-	8.1	7.7	10	81
			Bromofluorobenzene (Surrogate)	mg/kg	-	9.0	7.5	10	90
		Totals	Total BTEX*	mg/kg	0.6	29	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	14	<0.3	-	-
SE259696.041	LB302431.004	Monocyclic Aromatic	Benzene	mg/kg	0.1	6.1	<0.1	5	121
			Toluene	mg/kg	0.1	5.8	<0.1	5	115
			Ethylbenzene	mg/kg	0.1	5.6	<0.1	5	112
			m/p-xylene	mg/kg	0.2	11	<0.2	10	107
			o-xylene	mg/kg	0.1	5.6	<0.1	5	112
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.4	8.6	10	84
			d8-toluene (Surrogate)	mg/kg	-	6.6	6.7	10	66 ①
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.1	7.6	10	81
		Totals	Total BTEX*	mg/kg	0.6	34	<0.6	-	-
			Total Xylenes*	mg/kg	0.3	16	<0.3	-	-

VOCs in Water

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number	Parameter	Units	LOR

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOCs in Water (continued)

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE259563.001	LB302757.025	Monocyclic Aromatic	Benzene	µg/L	0.5	<0.5	45.45	114
			Toluene	µg/L	0.5	<0.5	45.45	112
			Ethylbenzene	µg/L	0.5	<0.5	45.45	112
			m/p-xylene	µg/L	1	<1	90.9	111
			o-xylene	µg/L	0.5	<0.5	45.45	111
		Polycyclic	Naphthalene (VOC)*	µg/L	0.5	<0.5	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.6	-	87
			d8-toluene (Surrogate)	µg/L	-	10	-	86
			Bromofluorobenzene (Surrogate)	µg/L	-	11	-	99
		Totals	Total BTEX	µg/L	3	<3	-	-

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE259596B.023	LB302462.004		TRH C6-C10	mg/kg	25	67	<25	92.5	72
			TRH C6-C9	mg/kg	20	58	<20	80	72
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.1	10.5	10	91
			d8-toluene (Surrogate)	mg/kg	-	9.0	10.4	10	90
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.8	9.9	-	88
		VPH F Bands	Benzene (F0)	mg/kg	0.1	3.8	<0.1	-	-
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	38	<25	62.5	60
SE259696.001	LB302429.004		TRH C6-C10	mg/kg	25	90	<25	92.5	97
			TRH C6-C9	mg/kg	20	71	<20	80	89
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.0	8.5	10	80
			d8-toluene (Surrogate)	mg/kg	-	10.9	8.8	10	109
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.6	8.7	-	106
		VPH F Bands	Benzene (F0)	mg/kg	0.1	5.7	<0.1	-	-
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	58	<25	62.5	92
SE259696.021	LB302430.004		TRH C6-C10	mg/kg	25	83	<25	92.5	89
			TRH C6-C9	mg/kg	20	65	<20	80	81
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	7.2	7.3	10	72
			d8-toluene (Surrogate)	mg/kg	-	8.1	7.7	10	81
			Bromofluorobenzene (Surrogate)	mg/kg	-	9.7	7.5	-	97
		VPH F Bands	Benzene (F0)	mg/kg	0.1	5.2	<0.1	-	-
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	54	<25	62.5	86
SE259696.041	LB302431.004		TRH C6-C10	mg/kg	25	95	<25	92.5	103
			TRH C6-C9	mg/kg	20	75	<20	80	94
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.4	8.6	10	84
			d8-toluene (Surrogate)	mg/kg	-	6.6	6.7	10	66 ①
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.4	7.6	-	104
		VPH F Bands	Benzene (F0)	mg/kg	0.1	6.1	<0.1	-	-
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	62	<25	62.5	99

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE259563.001	LB302757.025		TRH C6-C10	µg/L	50	<50	946.63	89
			TRH C6-C9	µg/L	40	<40	818.71	88
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.6	-	87
			d8-toluene (Surrogate)	µg/L	-	10	-	86
			Bromofluorobenzene (Surrogate)	µg/L	-	11	-	99
		VPH F Bands	Benzene (F0)	µg/L	0.5	<0.5	-	-
			TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	639.67	84

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

QC Sample	Sample Number	Parameter	Units	LOR

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

CHAIN OF CUSTODY RECORD

COC#: SE259696

Owner job:

Ship to: XML	Project Name:	Due date: 5/02/2024 2:30:00 PM
	Client: K2 CONSULTING GROUP 42577416_18085549	Send Results to: AUENVSE
	Sampler Name: SB	
Carrier:	Airbill #:	

Field Sample ID	Client ID	Date sampling	Time	Matrix	# of Containers	Analyses Requested										Comments
						PART_SIZ_S	PART_SIZ_H	ZCE_PSD_CLAY %								
SE259696.012	ST-1741-TP11 (0.9m)	24/01/2024	12:00:00	Soil		X	X	X								
SE259696.034	ST-1741-TP32 (0.75m)	24/01/2024	12:00:00	Soil		X	X	X								
SE259696.049	ST-1741-TP46 (0.7m)	24/01/2024	12:00:00	Soil		X	X	X								

SGS Alexandria Environmental

SE259696 SUBCON

Received: 25 – Jan – 2024

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Job Booked by: RV 29/1 Loggin Checked by:	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time	Company Name:	Time	Company Name:	Time
#1 Received by: (Sig)	Date	#2 Received by: (Sig)	Date	#3 Received by: (Sig)	Date
Company Name:	Time:	Company Name:	Time:	Company Name:	Time:

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Kannan Kaliappan
Client	K2 CONSULTING GROUP
Address	Suite 222, Building B 20 Lexingon Drive Bella Vista NSW 2153
Telephone	0449 669 559
Facsimile	(Not specified)
Email	kannan@k2consultinggroup.com.au
Project	**ST-1741 (100 McDonald Street, Crookwell**
Order Number	**ST-1741**
Samples	70

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE259696A R0**
Date Received	8/2/2024
Date Reported	9/2/2024

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

SIGNATORIES

Dong LIANG
Metals/Inorganics Team Leader

Ying Ying ZHANG
Laboratory Technician

Hexavalent Chromium in Soil UV/Vis [AN075/AN201] Tested: 9/2/2024

PARAMETER	UOM	LOR	ST-1741-TP31 (0.8m SOIL - 24/1/24 12:00 SE259696A.033	ST-1741-TP48 (0.3m SOIL - 24/1/24 12:00 SE259696A.051	ST-1741-TP49 (0.3m SOIL - 24/1/24 12:00 SE259696A.052	ST-1741-STK-1B SOIL - 24/1/24 12:00 SE259696A.062	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696A.063
Hexavalent Chromium, Cr6+	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trivalent Chromium, Cr3+	mg/kg	1	-	-	-	-	-

Metals in ASLP DI Extract by ICPOES [AN320] Tested: 9/2/2024

PARAMETER	UOM	LOR	ST-1741-STK-1C SOIL - 24/1/24 12:00 SE259696A.063
Zinc, Zn	mg/L	0.01	**0.06**

METHOD	METHODOLOGY SUMMARY
AN007/AS4439.3	Contaminants of interest in a waste material are leached out of the waste with a selected leaching solution under controlled conditions. The ratio of sample to extraction fluid is 100 g to 2 L (1 to 20 by mass). The concentration of each contaminant of interest is determined in the leachate by appropriate methods after separation from the sample by filtering. Based on AS4439.3.
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN075	This method uses an alkaline digestion to solubilise both water-soluble and water-insoluble forms of hexavalent chromium in solids. The solution is then pH adjusted and the hexavalent chromium concentration in solution determined colourimetrically.
AN201	Cr6+ is determined colourimetrically by reaction with diphenylcarbazide in acid solution. A red-violet colour of unknown composition is produced.
AN320	Metals by ICP-OES: Samples are preserved with 10% nitric acid for a wide range of metals and some non-metals. This solution is measured by Inductively Coupled Plasma. Solutions are aspirated into an argon plasma at 8000-10000K and emit characteristic energy or light as a result of electron transitions through unique energy levels. The emitted light is focused onto a diffraction grating where it is separated into components .
AN320	Photomultipliers or CCDs are used to measure the light intensity at specific wavelengths. This intensity is directly proportional to concentration. Corrections are required to compensate for spectral overlap between elements . Reference APHA 3120 B.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		
***	Indicates that both * and ** apply.				

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

STATEMENT OF QA/QC PERFORMANCE

SE259696A R0

CLIENT DETAILS

Contact	Kannan Kaliappan
Client	K2 CONSULTING GROUP
Address	Suite 222, Building B 20 Lexingon Drive Bella Vista NSW 2153
Telephone	0449 669 559
Facsimile	(Not specified)
Email	kannan@k2consultinggroup.com.au
Project	**ST-1741 (100 McDonald Street, Crookwell**
Order Number	**ST-1741**
Samples	70

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE259696A R0**
Date Received	08 Feb 2024
Date Reported	09 Feb 2024

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met (within the SGS Alexandria Environmental laboratory).

SAMPLE SUMMARY

Sample counts by matrix	5 Soil	Type of documentation received	COC
Date documentation received	8/2/2024@2:58pm	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	8.3°C
Sample container provider	SGS	Turnaround time requested	Next Day
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE259696A R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Hexavalent Chromium in Soil UV/Vis — Method: ME-(AU)-[ENV]AN075/AN201

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-TP31 (0.8m)	SE259696A.033	LB303520	24 Jan 2024	08 Feb 2024	21 Feb 2024	09 Feb 2024	16 Feb 2024	09 Feb 2024
ST-1741-TP48 (0.3m)	SE259696A.051	LB303520	24 Jan 2024	08 Feb 2024	21 Feb 2024	09 Feb 2024	16 Feb 2024	09 Feb 2024
ST-1741-TP49 (0.3m)	SE259696A.052	LB303520	24 Jan 2024	08 Feb 2024	21 Feb 2024	09 Feb 2024	16 Feb 2024	09 Feb 2024
ST-1741-STK-1B	SE259696A.062	LB303520	24 Jan 2024	08 Feb 2024	21 Feb 2024	09 Feb 2024	16 Feb 2024	09 Feb 2024
ST-1741-STK-1C	SE259696A.063	LB303520	24 Jan 2024	08 Feb 2024	21 Feb 2024	09 Feb 2024	16 Feb 2024	09 Feb 2024

Metals in ASLP DI Extract by ICPOES — Method: ME-(AU)-[ENV]AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
ST-1741-STK-1C	SE259696A.063	LB303552	24 Jan 2024	08 Feb 2024	22 Jul 2024	09 Feb 2024	07 Aug 2024	09 Feb 2024

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

No surrogates were required for this job.

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Hexavalent Chromium in Soil UV/Vis — Method: ME-(AU)-[ENV]AN075/AN201

Sample Number	Parameter	Units	LOR	Result
LB303520.001	Hexavalent Chromium, Cr6+	mg/kg	0.5	<0.5

Metals in ASLP DI Extract by ICPOES — Method: ME-(AU)-[ENV]AN320

Sample Number	Parameter	Units	LOR	Result
LB303552.001	Zinc, Zn	mg/L	0.01	<0.01

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Hexavalent Chromium in Soil UV/Vis — **Method: ME-(AU)-[ENV]AN075/AN201**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE259696A.062	LB303520.008	Hexavalent Chromium, Cr6+	mg/kg	0.5	<0.5	<0.5	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Hexavalent Chromium in Soil UV/Vis — **Method: ME-(AU)-[ENV]AN075/AN201**

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB303520.002	Hexavalent Chromium, Cr6+	mg/kg	0.5	21	20	70 - 130	103

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

No matrix spikes were required for this job.

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

K2 Enviro Solutions
Suite 222, 20B, Lexington Drive
Bella Vista
NSW 2153

Attention: **Kannan Kaliappan - All SRA, Reports, INV**

Report **1062663-S**
Project name 100 MCDONALD STREETCROOKWELL NSW 2583
Project ID ST-1741
Received Date Jan 25, 2024

Client Sample ID			**ST-1741-SR1**	**ST-1741-SR2**	**ST-1741-SR3**	**ST-1741-SR4**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Ja0040537**	**S24-Ja0040538**	**S24-Ja0040539**	**S24-Ja0040540**
Date Sampled			**Jan 23, 2024**	**Jan 23, 2024**	**Jan 23, 2024**	**Jan 23, 2024**
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
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	%	85	67	120	63
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

Client Sample ID			ST-1741-SR1	ST-1741-SR2	ST-1741-SR3	ST-1741-SR4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Ja0040537	S24-Ja0040538	S24-Ja0040539	S24-Ja0040540
Date Sampled			Jan 23, 2024	Jan 23, 2024	Jan 23, 2024	Jan 23, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	INT	99	99	104
p-Terphenyl-d14 (surr.)	1	%	INT	132	125	133
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	0.19	0.28	0.07
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	0.19	0.28	0.07
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	0.19	0.28	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	INT	90	120	118
Tetrachloro-m-xylene (surr.)	1	%	INT	127	125	131
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

Client Sample ID			ST-1741-SR1	ST-1741-SR2	ST-1741-SR3	ST-1741-SR4
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Ja0040537	S24-Ja0040538	S24-Ja0040539	S24-Ja0040540
Date Sampled			Jan 23, 2024	Jan 23, 2024	Jan 23, 2024	Jan 23, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	INT	108	125	130
Heavy Metals						
Arsenic	2	mg/kg	8.6	5.2	4.0	4.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	41	47	46	96
Copper	5	mg/kg	14	27	26	19
Lead	5	mg/kg	23	20	22	21
Mercury	0.1	mg/kg	< 0.1	0.3	0.4	0.1
Nickel	5	mg/kg	12	11	13	15
Zinc	5	mg/kg	24	22	21	23
Sample Properties						
% Moisture	1	%	23	17	18	12

Client Sample ID			ST-1741-SR5
Sample Matrix			Soil
Eurofins Sample No.			S24-Ja0040541
Date Sampled			Jan 23, 2024
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9	20	mg/kg	< 20
TRH C10-C14	20	mg/kg	22
TRH C15-C28	50	mg/kg	< 50
TRH C29-C36	50	mg/kg	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50

Client Sample ID			ST-1741-SR5
Sample Matrix			Soil
Eurofins Sample No.			S24-Ja0040541
Date Sampled			Jan 23, 2024
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	%	61
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene[N02]	0.5	mg/kg	< 0.5
Polycyclic Aromatic Hydrocarbons			
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2
Acenaphthene	0.5	mg/kg	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5
Anthracene	0.5	mg/kg	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5
Chrysene	0.5	mg/kg	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5
Fluorene	0.5	mg/kg	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5
Naphthalene	0.5	mg/kg	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5
Pyrene	0.5	mg/kg	< 0.5
Total PAH*	0.5	mg/kg	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94
p-Terphenyl-d14 (surr.)	1	%	126
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

Client Sample ID			ST-1741-SR5
Sample Matrix			Soil
Eurofins Sample No.			S24-Ja0040541
Date Sampled			Jan 23, 2024
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
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	%	98
Tetrachloro-m-xylene (surr.)	1	%	119
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

Client Sample ID			ST-1741-SR5
Sample Matrix			**Soil**
Eurofins Sample No.			**S24-Ja0040541**
Date Sampled			**Jan 23, 2024**
Test/Reference	LOR	Unit	
Organophosphorus Pesticides			
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	%	115
Heavy Metals			
Arsenic	2	mg/kg	4.5
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	66
Copper	5	mg/kg	20
Lead	5	mg/kg	21
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	18
Zinc	5	mg/kg	27
Sample Properties			
% Moisture	1	%	12

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	Jan 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Polycyclic Aromatic Hydrocarbons	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Jan 30, 2024	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Metals M8	Sydney	Jan 30, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
% Moisture	Sydney	Jan 25, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

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

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6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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+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

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: K2 Enviro Solutions
Address: Suite 222, 20B, Lexington Drive
Bella Vista
NSW 2153

Order No.:
Report #: 1062663
Phone: 0449 669 559
Fax:

Received: Jan 25, 2024 1:40 PM
Due: Jan 31, 2024
Priority: 5 Day
Contact Name: Kannan Kaliappan - All SRA,

Project Name: 100 MCDONALD STREETCROOKWELL NSW 2583
Project ID: ST-1741

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Moisture Set	Eurofins Suite B10: BTEX/TRH/PAH/OCP/OPP/M8
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	ST-1741-SR1	Jan 23, 2024		Soil	S24-Ja0040537	X	X
2	ST-1741-SR2	Jan 23, 2024		Soil	S24-Ja0040538	X	X
3	ST-1741-SR3	Jan 23, 2024		Soil	S24-Ja0040539	X	X
4	ST-1741-SR4	Jan 23, 2024		Soil	S24-Ja0040540	X	X
5	ST-1741-SR5	Jan 23, 2024		Soil	S24-Ja0040541	X	X
Test Counts						5	5

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	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony forming unit	**Colour:** Pt-Co Units	

Terms

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

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

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

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

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 70 – 130%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 5.4, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
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							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	72			70-130	Pass	
TRH C10-C14	%	88			70-130	Pass	
TRH C6-C10	%	72			70-130	Pass	
TRH >C10-C16	%	87			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	72			70-130	Pass	
Toluene	%	80			70-130	Pass	
Ethylbenzene	%	86			70-130	Pass	
m&p-Xylenes	%	114			70-130	Pass	
o-Xylene	%	76			70-130	Pass	
Xylenes - Total*	%	101			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	87			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	99			70-130	Pass	
Acenaphthylene	%	95			70-130	Pass	
Anthracene	%	90			70-130	Pass	
Benz(a)anthracene	%	93			70-130	Pass	
Benzo(a)pyrene	%	95			70-130	Pass	
Benzo(b&j)fluoranthene	%	101			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	103			70-130	Pass	
Chrysene	%	100			70-130	Pass	
Dibenz(a.h)anthracene	%	90			70-130	Pass	
Fluoranthene	%	88			70-130	Pass	
Fluorene	%	99			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	94			70-130	Pass	
Naphthalene	%	100			70-130	Pass	
Phenanthrene	%	94			70-130	Pass	
Pyrene	%	87			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	84			70-130	Pass	
4.4'-DDD	%	85			70-130	Pass	
4.4'-DDE	%	88			70-130	Pass	
4.4'-DDT	%	88			70-130	Pass	
a-HCH	%	87			70-130	Pass	
Aldrin	%	89			70-130	Pass	
b-HCH	%	95			70-130	Pass	
d-HCH	%	93			70-130	Pass	
Dieldrin	%	89			70-130	Pass	
Endosulfan I	%	92			70-130	Pass	
Endosulfan II	%	85			70-130	Pass	
Endosulfan sulphate	%	81			70-130	Pass	
Endrin	%	93			70-130	Pass	
Endrin aldehyde	%	70			70-130	Pass	
Endrin ketone	%	88			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
g-HCH (Lindane)			%	96			70-130	Pass	
Heptachlor			%	93			70-130	Pass	
Heptachlor epoxide			%	84			70-130	Pass	
Hexachlorobenzene			%	90			70-130	Pass	
Methoxychlor			%	91			70-130	Pass	
LCS - % Recovery									
Organophosphorus Pesticides									
Diazinon			%	95			70-130	Pass	
Dimethoate			%	83			70-130	Pass	
Ethion			%	76			70-130	Pass	
Fenitrothion			%	82			70-130	Pass	
Methyl parathion			%	112			70-130	Pass	
Mevinphos			%	92			70-130	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	93			80-120	Pass	
Cadmium			%	94			80-120	Pass	
Chromium			%	100			80-120	Pass	
Copper			%	101			80-120	Pass	
Lead			%	101			80-120	Pass	
Mercury			%	104			80-120	Pass	
Nickel			%	96			80-120	Pass	
Zinc			%	94			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 C10-C14	S24-Ja0052406	NCP	%	74			70-130	Pass	
TRH >C10-C16	S24-Ja0052406	NCP	%	75			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S24-Ja0040537	CP	%	81			70-130	Pass	
Toluene	S24-Ja0040537	CP	%	83			70-130	Pass	
Ethylbenzene	S24-Ja0040537	CP	%	82			70-130	Pass	
m&p-Xylenes	S24-Ja0040537	CP	%	84			70-130	Pass	
o-Xylene	S24-Ja0040537	CP	%	77			70-130	Pass	
Xylenes - Total*	S24-Ja0040537	CP	%	82			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S24-Ja0040537	CP	%	76			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Ja0037982	NCP	%	102			75-125	Pass	
Cadmium	S24-Ja0037982	NCP	%	96			75-125	Pass	
Chromium	S24-Ja0037982	NCP	%	101			75-125	Pass	
Copper	S24-Ja0037982	NCP	%	96			75-125	Pass	
Lead	S24-Ja0037982	NCP	%	92			75-125	Pass	
Mercury	S24-Ja0037982	NCP	%	107			75-125	Pass	
Nickel	S24-Ja0037982	NCP	%	97			75-125	Pass	
Zinc	S24-Ja0037982	NCP	%	97			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S24-Ja0040539	CP	%	80			70-130	Pass	
TRH C6-C10	S24-Ja0040539	CP	%	80			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
BTEX				Result 1					
Benzene	S24-Ja0040539	CP	%	94			70-130	Pass	
Toluene	S24-Ja0040539	CP	%	128			70-130	Pass	
Ethylbenzene	S24-Ja0040539	CP	%	117			70-130	Pass	
o-Xylene	S24-Ja0040539	CP	%	97			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S24-Ja0040539	CP	%	79			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	R24-Ja0032841	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	R24-Ja0032841	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	R24-Ja0032841	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	R24-Ja0032841	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	R24-Ja0032841	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	R24-Ja0032841	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Ja0039427	NCP	mg/kg	1.7	< 0.5	180	30%	Fail	Q15
Benzo(a)pyrene	S24-Ja0039427	NCP	mg/kg	1.1	< 0.5	190	30%	Fail	Q15
Benzo(b&j)fluoranthene	S24-Ja0039427	NCP	mg/kg	0.8	< 0.5	170	30%	Fail	Q15
Benzo(g.h.i)perylene	S24-Ja0039427	NCP	mg/kg	0.6	< 0.5	200	30%	Fail	Q15
Benzo(k)fluoranthene	S24-Ja0039427	NCP	mg/kg	1.1	< 0.5	180	30%	Fail	Q15
Chrysene	S24-Ja0039427	NCP	mg/kg	1.6	< 0.5	180	30%	Fail	Q15
Dibenz(a.h)anthracene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Ja0039427	NCP	mg/kg	2.7	< 0.5	190	30%	Fail	Q15
Fluorene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Ja0039427	NCP	mg/kg	0.6	< 0.5	200	30%	Fail	Q15
Naphthalene	S24-Ja0039427	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Ja0039427	NCP	mg/kg	1.6	< 0.5	180	30%	Fail	Q15
Pyrene	S24-Ja0039427	NCP	mg/kg	2.7	< 0.5	190	30%	Fail	Q15
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Ja0048708	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	N24-Ja0050802	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	N24-Ja0050802	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Heptachlor epoxide	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Ja0048708	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Ja0048708	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Ja0048708	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Ja0048708	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Ja0048708	NCP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Ja0048708	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Ja0039337	NCP	mg/kg	2.7	2.1	26	30%	Pass	
Cadmium	S24-Ja0039337	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Ja0039337	NCP	mg/kg	13	9.8	24	30%	Pass	
Copper	S24-Ja0039337	NCP	mg/kg	5.1	6.3	22	30%	Pass	
Lead	S24-Ja0039337	NCP	mg/kg	9.7	11	13	30%	Pass	
Mercury	S24-Ja0039337	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Ja0039337	NCP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S24-Ja0039337	NCP	mg/kg	16	21	24	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Ja0043424	NCP	%	12	12	4.4	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Ja0040538	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Ja0040538	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S24-Ja0040538	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S24-Ja0040538	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S24-Ja0040538	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S24-Ja0040538	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S24-Ja0040538	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S24-Ja0040538	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Ja0040538	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
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:

Nileshni Goundar	Analytical Services Manager
Fang Yee Tan	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.

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET115164 / 118344 / 1 – 23
Your ref : ST-1741 – 100 McDonald Street Crookwell NSW 2583
NATA Accreditation No: 14484

31 January 2024

K2 Consulting Group
Suite 222, Building B, 20 Lexington Drive
Bella Vista NSW 2153

Accredited for compliance with ISO/IEC 17025 - Testing.

Attn: Mr Kannan Kaliappan

Dear Kannan

Asbestos Identification
This report presents the results of twenty three samples, forwarded by K2 Consulting Groupon 29 January 2024, for analysis for asbestos.

1.Introduction: Twenty three samples forwarded were examined and analysed for the presence of asbestos on 30 January 2024.

2. Methods: The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method **(Australian Standard AS 4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction) (Qualitative Analysis only).**

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as **AF** (Asbestos Fines), **FA** (Friable Asbestos) and **ACM** (Asbestos Containing Material), also satisfying the requirements of the NEPM Guidelines.

3. Results :

Sample No. 1. ASET115164 / 118344 / 1. ST-1741-37.
Approx dimensions 10.0 cm x 10.0 cm x 7.5 cm
Approximate total dry weight of soil = 885.0 g.
The sample consisted of a mixture of sandy soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 2. ASET115164 / 118344 / 2. ST-1741-38.
Approx dimensions 10.0 cm x 10.0 cm x 6.6 cm
Approximate total dry weight of soil = 766.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, chipwood, plant matter and organic fibres.
No asbestos detected.

Sample No. 3. ASET115164 / 118344 / 3. ST-1741-TP39.
Approx dimensions 10.0 cm x 10.0 cm x 6.5 cm
Approximate total dry weight of soil = 760.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 4. ASET115164 / 118344 / 4. ST-1741-TP40.
Approx dimensions 10.0 cm x 10.0 cm x 8.0 cm
Approximate total dry weight of soil = 963.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter, animal matter and organic fibres.
No asbestos detected.

Sample No. 5. ASET115164 / 118344 / 5. ST-1741-TP41.
Approx dimensions 10.0 cm x 10.0 cm x 7.0 cm
Approximate total dry weight of soil = 841.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, chipwood, plant matter and organic fibres.
No asbestos detected.

Sample No. 6. ASET115164 / 118344 / 6. ST-1741-TP42.
Approx dimensions 10.0 cm x 10.0 cm x 6.7 cm
Approximate total dry weight of soil = 797.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 7. ASET115164 / 118344 / 7. ST-1741-TP43.
Approx dimensions 10.0 cm x 10.0 cm x 6.7 cm
Approximate total dry weight of soil = 809.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 8. ASET115164 / 118344 / 8. ST-1741-TP44.
Approx dimensions 10.0 cm x 10.0 cm x 5.9 cm
Approximate total dry weight of soil = 717.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, a fragment of a fibro plaster cement material, plant matter and organic fibres.
No asbestos detected.

Sample No. 9. ASET115164 / 118344 / 9. ST-1741-TP45.
Approx dimensions 10.0 cm x 10.0 cm x 7.1 cm
Approximate total dry weight of soil = 853.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, a fragment of a fibro plaster cement material, plant matter and organic fibres.
No asbestos detected.

Sample No. 10. ASET115164 / 118344 / 10. ST-1741-TP46.
Approx dimensions 10.0 cm x 10.0 cm x 6.6 cm
Approximate total dry weight of soil = 770.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 11. ASET115164 / 118344 / 11. ST-1741-TP47.
Approx dimensions 10.0 cm x 10.0 cm x 6.0 cm
Approximate total dry weight of soil = 724.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, a piece of rubber-like material, plant matter and organic fibres.
No asbestos detected.

Sample No. 12. ASET115164 / 118344 / 12. ST-1741-TP48.
Approx dimensions 10.0 cm x 10.0 cm x 6.8 cm
Approximate total dry weight of soil = 814.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter, animal matter and organic fibres.
No asbestos detected.

Sample No. 13. ASET115164 / 118344 / 13. ST-1741-TP49.
Approx dimensions 10.0 cm x 10.0 cm x 5.8 cm
Approximate total dry weight of soil = 700.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 14. ASET115164 / 118344 / 14. ST-1741-TP50.
Approx dimensions 10.0 cm x 10.0 cm x 5.1 cm
Approximate total dry weight of soil = 626.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 15. ASET115164 / 118344 / 15. ST-1741-TP51.
Approx dimensions 10.0 cm x 10.0 cm x 6.2 cm
Approximate total dry weight of soil = 756.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, a piece of rubber-like material, plant matter and organic fibres.
No asbestos detected.

Sample No. 16. ASET115164 / 118344 / 16. ST-1741-TP52.
Approx dimensions 10.0 cm x 10.0 cm x 6.3 cm
Approximate total dry weight of soil = 764.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 17. ASET115164 / 118344 / 17. ST-1741-STK-1A.
Approx dimensions 10.0 cm x 10.0 cm x 5.9 cm
Approximate total dry weight of soil = 712.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter, animal matter and organic fibres.
No asbestos detected.

Sample No. 18. ASET115164 / 118344 / 18. ST-1741-STK-1B.
Approx dimensions 10.0 cm x 10.0 cm x 5.8 cm
Approximate total dry weight of soil = 696.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 19. ASET115164 / 118344 / 19. ST-1741-STK-1C.
Approx dimensions 10.0 cm x 10.0 cm x 6.5 cm
Approximate total dry weight of soil = 768.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter, animal matter and organic fibres.
No asbestos detected.

Sample No. 20. ASET115164 / 118344 / 20. ST-1741-STK-2A.
Approx dimensions 10.0 cm x 10.0 cm x 7.0 cm
Approximate total dry weight of soil = 843.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 21. ASET115164 / 118344 / 21. ST-1741-STK-2B.
Approx dimensions 10.0 cm x 10.0 cm x 7.1 cm
Approximate total dry weight of soil = 866.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 22. ASET115164 / 118344 / 22. ST-1741-STK-2C.
Approx dimensions 10.0 cm x 10.0 cm x 6.1 cm
Approximate total dry weight of soil = 743.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, plant matter and organic fibres.
No asbestos detected.

Sample No. 23. ASET115164 / 118344 / 23. ST-1741-STK-2D.
Approx dimensions 10.0 cm x 10.0 cm x 6.7 cm
Approximate total dry weight of soil = 808.0 g.
The sample consisted of a mixture of clayish soil, stone, sandstone, a piece of rubber-like material, plant matter, animal matter and organic fibres.
No asbestos detected.

Reported by,

Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Identifier.
Approved Signatory

NATA
WORLD RECOGNISED
ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - Testing.

This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service.

Disclaimers;

The approx; weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA

Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages if given.

ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.

AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.

FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.

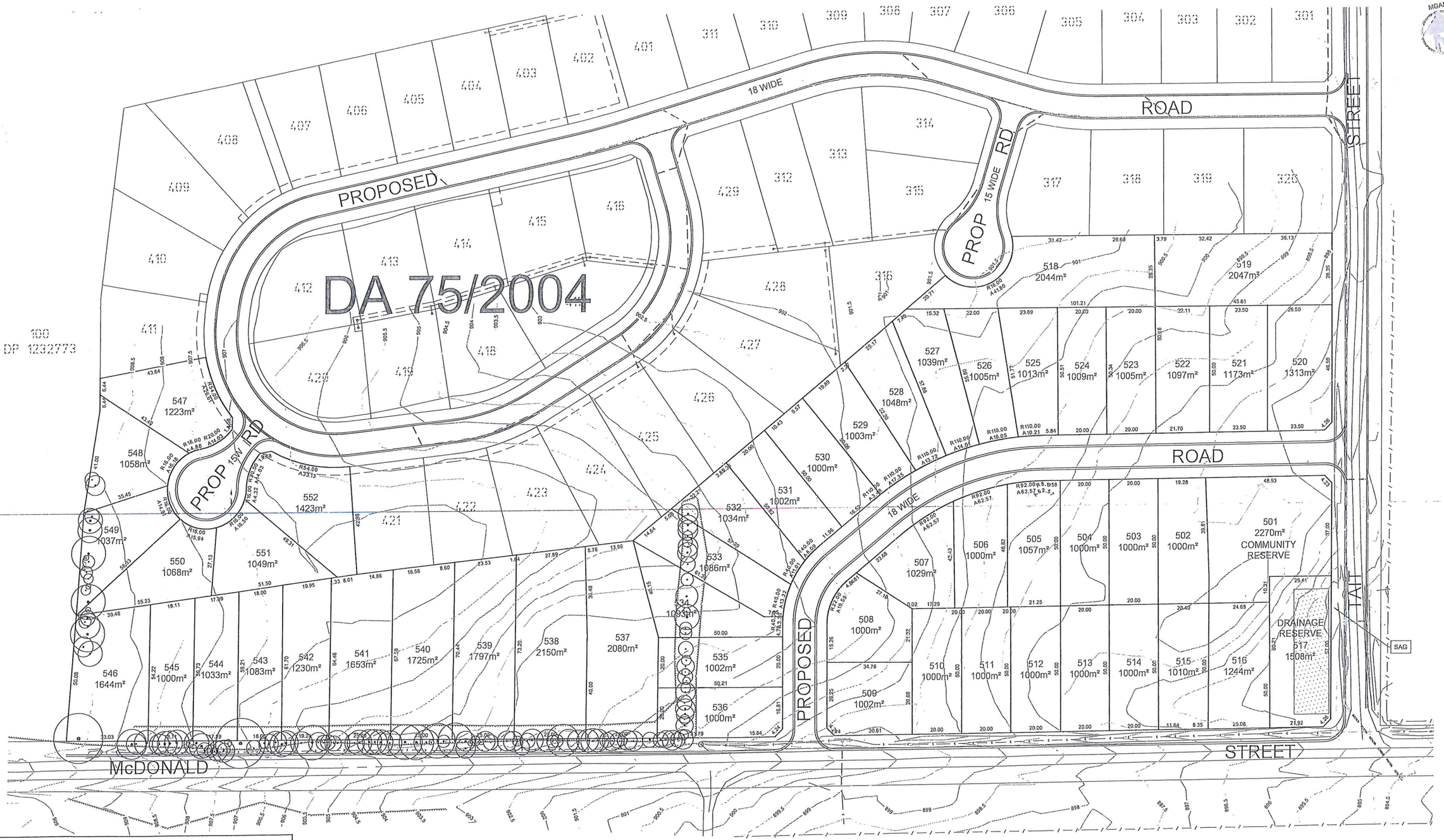
^ denotes loose fibres of relevant asbestos types detected in soil/dust.
*** denotes asbestos detected in ACM in bonded form.**
 # denotes friable asbestos as soft fibro plaster, fragments of ACM smaller than 7mm which are considered as friable and / or highly weathered ACM that will easily crumble.
λ denotes samples that have been analysed only in accordance to AS 4964 – 2004.
Ω Sample volume criteria of 500mL have not been satisfied.

The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by A4964-2004. Trace / respirable level asbestos will be reported only when detected and trace analysis have been performed on each sample as required by AS4964-2004. When loose asbestos fibres/ fibre bundles are detected and reported that means they are larger handpicked fibres/ fibre bundles, and they do not represent respirable fibres. Dust/soil samples are always subjected to trace analysis except where the amounts involved are extremely minute and trace analysis is not possible to be carried out. When trace analysis is not performed on dust samples it will be indicated in the report that trace analysis has not been carried out due to the volume of the sample being extremely minute.

Estimation of asbestos weights involves the use of following assumptions;
Volume of each kind of Asbestos present in broken edges have been visually estimated and its been assumed that volumes remain similar throughout the binding matrix and those volumes are only approximate and not exact. Material densities have been assumed to be similar to commonly found similar materials and may not be exact.

All samples indicating "No asbestos detected" are assumed to be less than 0.001% for friable AF and FA portions detected and 0.01 % for ACM detected unless the approximate weight is given.

Appendix VII
Subdivision Plan



NOTES:

THIS PLAN WAS PREPARED AS A PROPOSED SUBDIVISION TO ACCOMPANY A DEVELOPMENT APPLICATION TO UPPER LACHLAN COUNCIL AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. THE DIMENSIONS AREAS AND TOTAL NUMBER OF LOTS SHOWN HEREON ARE SUBJECT TO FIELD SURVEY AND ALSO TO THE REQUIREMENTS OF COUNCIL AND ANY OTHER AUTHORITY WHICH MAY HAVE REQUIREMENTS UNDER ANY RELEVANT LEGISLATION. IN PARTICULAR, NO RELIANCE SHOULD BE PLACED ON THE INFORMATION ON THIS PLAN FOR ANY FINANCIAL DEALINGS INVOLVING THE LAND. THE LAND SHOWN HEREON MAY BE SUBJECT TO CURRENT OR PROPOSED EASEMENTS AND/OR RESTRICTIONS ON THE USE OF LAND, DRAINAGE EASEMENTS, SEWER LINES AND OTHER UNDERGROUND SERVICES MAY BE CONSTRUCTED UPON ANY OF THE LOTS, THIS BEING SUBJECT TO ENGINEERING DESIGN, AND OR REQUIREMENTS OF THE COUNCIL OR ENERGY AUTHORITY, THIS NOTE IS AN INTEGRAL PART OF THIS PLAN.

revision	revision details	date	drawn
A	Initial Issue	01/09/23	JC
B	Layout Amended	20/10/23	JC
C	Layout & survey Amended	16/11/23	JC

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WINGECARRIBEE SHIRE COUNCIL DA: -

LOTS321, 322 & 430 DP
TAIT STREET,
CROOKWELL

client: DARJEELING PASTORAL

PLAN OF PROPOSED SUBDIVISION

0 1 2 3 4 5 75 METRES
SCALE: 1:750

designed: J.C.	A1 sheet	revision C	
drawn: J.C.	Job Drawing Number 2124 DA03		
checked: R.A.			
datum: A.H.D.			
date: 01/09/23	sheet 1	sheets 1	

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