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Detailed Site Investigation

New High School for Leppington and Denham Court – 128 to 134 Rickard Road, Leppington NSW 2179

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14 January 2025

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Abbreviations and Acronyms

Table 1-1 Abbreviations and acronyms.

Abbreviation / Acronym	Meaning
ABC	Ambient Background Concentration
ACL	Added Contaminant Limit
ACM	Asbestos Containing Material
AEI	Area/s of Environmental Interest
AF	Asbestos Fines
AH	Acid Herbicide
AST	Above-ground Storage Tank
BaP	Benzo(a)pyrene
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
BYDA	Before You Dig Australia
CEC	Cation Exchange Capacity
CSM	Conceptual Site Model
CT	Contaminant Threshold
CoPC	Contaminants of Potential Concern
DDT	Dichlorodiphenyltrichloroethane
DNAPL	Dense Non-Aqueous Phase Liquid
dS	Decisiemens
ENM	Excavated Natural Material
FA	Friable Asbestos
DGV	Default Guideline Values
DSI	Detailed Site Investigation
EIL	Ecological Investigation Level
EOW	End Of Well
ESL	Ecological Screening Level
GSW	General Solid Waste
HBMS	Hazardous Building Materials Survey
HIL	Health Investigation Level
HSL	Health Screening Level
IBC	Intermediate Bulk Container
LDPE	Low-Density Polyethylene
LNAPL	Light Non-Aqueous Phase Liquid
LOR	Limit of Reporting
m AHD	Metres Australian Height Datum
m bgl	Metres Below Ground Level
mb TOC	Metres Below Top of Casing

Abbreviation / Acronym	Meaning
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
MS	Matrix Spike
MPN/100 mL	Most Probable Number of Organisms per 100 Millilitres
NATA	National Association of Testing Authorities
NEMP	National Environmental Management Plan
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
OCP	Organochlorine Pesticides
OPP	Organophosphate Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PEF	Potency Equivalence Factor
PFAS	Per- and Poly-Fluoroalkyl Substances
PFHxS	Perfluorohexane Sulfonic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
PID	Photo-Ionisation Detector
POEO	Protection of the Environment Operations
PQL	Practical Quantitation Limit
PSI	Preliminary Site Investigation
QA/QC	Quality Assurance/Quality Control
RAP	Remedial Action Plan
RL	Reduced Level
RPD	Relative Percentage Difference
SAQP	Sampling, Analysis and Quality Plan
SCC	Specific Contaminant Concentration
SINSW	School Infrastructure NSW
SMF	Synthetic Mineral Fibres
SOP	Standard Operating Procedure
SRA	Sample Receipt Advice
SWL	Standing Water Level
SWMS	Safe Work Method Statement
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TN	Total Nitrogen
TOC	Total Organic Carbon
TPE	Total Potency Equivalents
TPH	Total Petroleum Hydrocarbons

Abbreviation / Acronym	Meaning
TP	Total Phosphorus
TRH	Total Recoverable Hydrocarbon
UCL	Upper Confidence Limit
USCS	Unified Soil Classification System
VOC	Volatile Organic Compounds

Executive Summary

This Detailed Site Investigation (with respect to contamination) has been prepared to support a Review of Environmental Factors (REF) for the Department of Education (DoE) for the new high school for Leppington and Denham Court (the activity). The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by State Environmental Planning Policy (Transport and Infrastructure) 2021 (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37A of the T&I SEPP.

The proposed activity is for the construction of a new high school located at 128-134 Rickard Road, Leppington, NSW, 2179 (the site).

The purpose of this investigation was to provide Department of Education with additional advice on the contamination status of the Site for the planned high school construction activity. Specifically, the objectives of the DSI were to:

- Assess the potential for contamination to be present at the Site with respect to the proposed activity
- Provide recommendations on the suitability of the Site for its intended future land use (i.e. high school)
- Provide recommendations on the need for further investigations and/or management based on the findings.

The scope of work included:

- Desktop review of relevant information sources
- Site walkover and fieldwork (soil, groundwater, surface water and sediment sampling/analysis)
- Developing a Conceptual Site Model (CSM)
- Preparation of this report presenting the findings of the assessment and making conclusions and recommendations per the objectives.

Preliminary and initial intrusive investigations have previously been undertaken across the Site. Review of the available background information and the site walk over identified the following:

- The Site has historically been used for agricultural (paddock) and crop growing including the construction and demolition of some structures
- Fill containing anthropogenic inclusions such concrete, brick, terracotta and asphalt was present to depths between approximately 0.1 metres below ground level (m bgl) and 0.5mbgl
- Fragments of Asbestos Containing Material (ACM) were present onsite. Some elevated concentrations of Polycyclic Aromatic Hydrocarbons (PAHs), zinc and Total Recoverable Hydrocarbons (TRH) were present in soils
- Five potential Areas of Environmental Interest (AEI) and associated potentially contaminating sources were identified, including the follow:
  - AEI 1: Areas near former/existing building structures from weathering and/or ineffective demolition of hazardous building materials
  - AEI 2: Areas of possible filling of unknown origin and/or quality.
  - AEI 3: Whole Site from potential spraying of pesticides and herbicides related to crop growing activities
  - AEI 4: Farm dam/waste water ponds (Dam A and B)
  - AEI 5: Septic tank.

To assess potential contamination in the five AEIs, the following was undertaken:

- 3 boreholes drilled to 10m bgl
- 178 test pits
  - 44 excavated to 1.8m bgl (Mobilisation 1)

  - 134 excavated to 2mbgl (Mobilisation 2)
- 44 hand augers in areas that were not accessible with an excavator
  - 21 hand augers were drilled to 0.7m bgl (Mobilisation 1)
  - 23 hand augers to a maximum depth of 0.6m bgl (Mobilisation 2)
- Surface samples
  - 6 surface samples from across the Site (Mobilisation 2)
  - 2 fragments for potential ACM collected at the Site surface (Mobilisation 1)
  - Several asbestos fragments (visual observations only, no analytical analysis undertaken) (Mobilisation 2)
- 3 stockpile samples collected from test pit excavations into stockpile SP1 (Mobilisation 2)
- 2 surface water and 2 sediment samples were collected (Mobilisation 1)
- 3 groundwater wells were installed and 2 groundwater samples collected (Mobilisation 1).

The results of the soil, groundwater, sediment and surface water sampling found:

- Concentrations of contaminants of potential concern (CoPC) in soil were generally less than the adopted assessment criteria, with the exception of the following exceedances:
  - Human Health criteria
    - Asbestos:
      - Lot A, SP3: ACM-01, STP45-C; ACM fragments throughout stockpile
      - Lot A, access road (east): BH2/0.0-0.1, FCF2, FCF3; ACM fragments in subsurface fill and on surface
      - Lot A, access road (west): BH9/0.0-0.1; ACM fragment in subsurface fill
      - Lot A, access road (central, east): BH4/0.3; ACM fragments in subsurface fill
      - Lot B, driveway: ACM-02; ACM fragment (surface)
      - Lot B, central, northern portion: STP10, STP10-B, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-M, STP10-N; ACM fragments through subsurface fill
  - Ecological criteria:
    - Lot B, central northern portion: zinc exceedances at STP08, STP07, STP10, BH30; shallow material (<0.2m)
    - Lot A, access road (central):
      - BaP ESL exceedances at STP39, BH6; shallow material (<0.2m)
      - TRH F3 Fraction ESL exceedance at BH6 (silica gel cleanup not run); shallow material (<0.2m)
    - Lot A, Dam B area: BaP ESL exceedance at SHA16; shallow material (<0.2m)
    - Lot A, access road (east):
      - BaP ESL exceedance at BH2; shallow material (<0.2m)
      - TRH F3 Fraction ESL exceedance at BH2 (silica gel cleanup not run); shallow material (<0.2m)
    - Lot A, access road (central, east): TRH F3 Fraction ESL exceedance at BH4 (silica gel cleanup not run); shallow material (<0.2m)
    - Lot A, access road near the storage compound: BaP ESL exceedance at BH3; shallow material (<0.2m)
    - Lot A, access road (west): TRH F3 Fraction ESL exceedance at BH9 (silica gel cleanup not run); shallow material (<0.2m)
    - Stockpile SP1: TRH F3 Fraction (with silica gel cleanup) exceedance

  - Salinity
    - Laboratory analysis of electrical conductivity identified soil materials as non-saline
  - Acid Sulfate Soils
    - pH field screening and observations during sampling did not identify characteristics associated with acid sulfate soils (ASS)
  - Indicative Waste Classification
    - Lot A, SP3 (Dam A bund wall): ACM detected, indicating Special Waste (Asbestos)
    - Lot B, driveway: ACM detected, indicating Special Waste (Asbestos)
    - Lot B, central northern portion: shallow material (i.e. <0.2m) sampled at locations STP07, STP10 and BH30 exceeded GSW CT1 criteria for lead; ACM detected, indicating Special Waste (Asbestos)
    - Lot A, Dam B area: shallow material (i.e. <0.2m) sampled at location SHA16 exceeded GSW CT1 criteria for BaP
    - Lot A, access road (central): shallow material (i.e. <0.2m) sampled at locations BH6 and STP39 exceeded GSW CT1 criteria for lead and BaP
    - Lot A, access road near Storage Compound: shallow material (i.e. <0.2m) sampled at location BH3 and STP42 exceeded GSW CT1 criteria for BaP and nickel
    - Lot A, access road (central, east): shallow material (i.e. <0.2m) sampled at locations HA-U and BH4 exceeded GSW CT1 criteria for nickel; ACM detected, indicating Special Waste (Asbestos)
      - TCLP testing for nickel was undertaken on sample HA-U/0.0; the TCLP result (0.02 mg/L) was below the respective maximum allowable SCC1 and TCLP1 values for GSW
    - Lot A, access road (east): shallow material (i.e. <0.2m) sampled at location BH2 exceeded GSW CT1 criteria for BaP; ACM detected, indicating Special Waste (Asbestos)
    - Lot A, access road (west): ACM detected (at BH9), indicating Special Waste (Asbestos)
    - Further TCLP analysis, may classify exceeding material as GSW, when using Toxicity Characteristic Leaching Procedure (TCLP) 1 and Specific Contaminant Concentration Threshold (SCC) 1 criteria
    - JK Environments (2023b) previous investigation also detected exceedances of CT1 criteria in BaP, lead and nickel which were further assessed and found not to exceed specific contaminant concentration threshold 1
    - There may also be opportunity to apply the Excavated Natural Material (ENM) Order to some of the natural material, in portions of the Site.
- Concentrations of CoPC in groundwater were generally less than the adopted assessment criteria, with the exception of:
  - Copper and zinc exceeded the adopted 95% species protection level Default Guideline Value (DGV) assessment criteria at SMW01 and SMW03
- Concentrations of CoPC in surface water (Dam A and Dam B) were less than the adopted assessment criteria.

Based on the results of this DSI, the following is concluded:

- The Site can be made suitable from a contamination perspective for a future land use as a high school, subject to the management of identified contamination and implementation of the recommendations below.

Based on the results of this DSI, the following is recommended:

- Development of a Remedial Action Plan (RAP) to manage the identified contamination. This may include segregation and stripping of shallow soils impacted by metals (copper and zinc), benzo(a)pyrene and asbestos, with waste classification and disposal offsite at a licensed facility or onsite encapsulation.

- Supervision of material segregation works as part of remediation works, by an experienced environmental engineer/scientist or occupational hygienist
- Preparation of a Construction Environmental Management Plan (CEMP) outlining unexpected finds, including for areas underneath building footprints post demolition.
- Undertaking a Hazardous Building Material (HBM) Assessment for Lot B.

1. Introduction

1.1 General

This Detailed Site Investigation (with respect to contamination) has been prepared to support a Review of Environmental Factors (REF) for the Department of Education (DoE) for the new high school for Leppington and Denham Court (the activity). The purpose of the REF is to assess the potential environmental impacts of the activity prescribed by State Environmental Planning Policy (Transport and Infrastructure) 2021 (T&I SEPP) as "development permitted without consent" on land carried out by or on behalf of a public authority under Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act). The activity is to be undertaken pursuant to Chapter 3, Part 3.4, Section 3.37A of the T&I SEPP.

The proposed activity is for the construction of a new high school located at 128-134 Rickard Road, Leppington, NSW, 2179 (the site).

This report presents the DSI findings based on the Sampling, Analysis and Quality Plan (SAQP) implemented.

1.2 Proposed Activity

The proposed activity is for a new high school for Leppington and Denham Court. The new high school will accommodate up to 1,000 students across 3 new buildings that will comprise 48 permanent teaching spaces (PTS), 3 support teaching spaces (STS), 9 specialist labs/workshops/kitchens and a hall. Buildings A, B and C will wrap the western and southern boundaries of the site, with the hall being located in south-east corner. The activity also includes the construction of a sports field in the centre of the site and 3 x multipurpose courts along the northern boundary. The proposed scope of works is illustrated in Figure 1-1 below.

Figure 1-1: New high school for Leppington and Denham Court (Source: DJRD Architects)

Figure 1-1 provided by DoE appears to include the construction of four multi-storey school buildings, a sports field and courts and an open-air parking area/carpark. Design levels (i.e. cut to fill levels) and expected Site elevations have not been provided. Purpose and Objectives

The purpose of this investigation was to provide DoE with additional advice on the contamination status of the Site for the planned high school construction activity.

The objectives of the DSI were to:

- Assess the potential for contamination to be present at the Site with respect to the proposed activity
- Provide recommendations on the suitability of the Site for its intended future land use (i.e. high school)
- Provide recommendations on the need for further investigations and/or management based on the findings.

1.3 Scope of Work

The scope of the report has been prepared with refence to the policy, standards and guidelines outlined in Section 1.4. To fulfil the objective stated in Section 0, the following scope of works was undertaken:

- Develop a Sampling, Analysis and Quality Plan (SAQP)/methodology
- Preparation of site and task specific Safe Working Method Statements (SWMS)
- Site inspection by experienced environmental engineer/scientist
- Fieldwork Mobilisation 1: Initial DSI field investigations including:
  - Excavation of 44 test pits using a mechanical excavator and excavation of 21 hand auger locations; all testing locations were excavated down into natural soils (to a maximum depth of 1.8m below ground level (bgl)); collection of soil samples from these locations
  - Collection of two surface water and two sediment samples from on Site dams/waste water pond
  - Installation of 3 groundwater monitoring wells to a maximum depth of 10m below ground level (bgl)
  - Collection of 3 groundwater samples from newly installed wells
- Fieldwork Mobilisation 2: Additional 'step-out' sampling, to delineate areas where the initial DSI sampling (undertaken as part of Fieldwork Mobilisation 1), and PSI sampling (JK Environments 2023b) recorded samples exceeding adopted human health and ecological criteria including:
  - Excavation of 134 test pits using a mechanical excavator and excavation of 23 hand auger locations; collection of soil samples from these locations
  - Collection of 6 surface soil samples, and 3 stockpile samples (from stockpile SP1)
- Submission of samples to a National Association of Testing Authorities (NATA) accredited laboratory for analysis of a suite of identified potential contaminants of concern
- Preparation of this report presenting the findings of the assessment and making conclusions and recommendations as per the objectives identified in Section 0.

1.4 Published Guidelines

Preparation of this report, was done with reference to relevant sections of the following guidelines:

- National Environment (Assessment of Site Contamination) Protection Measure (NEPM, 2013)
- NSW EPA (2022) Sampling Design Guidelines: Part 1 – Application and Part 2 – Interpretation
- NSW EPA (2020), Contaminated land guidelines: Consultants reporting on contaminated land
- State Environmental Planning Policy (Resilience and Hazards) 2021
- NSW EPA (2017) *Contaminated Land Management, Guidelines for the NSW Site Auditor Scheme (3rd Edition)*, NSW Environment Protection Authority, October 2017
- NSW EPA (2005), Contaminated Sites, *Guidelines for Assessing Former Orchards and Market Gardens*, Environmental Protection Authority, June 2005
- NSW EPA (2022), Contaminated Land Guidelines - Sampling Design part 1 - application
- NSW EPA (2014), Waste Classification Guidelines - Part 1: Classification of waste, dated November 2014
- NSW EPA (2016), Addendum to the Waste Classification Guidelines – Part 1: classifying waste, October 2016
- CRC CARE. (2017). *Technical Report No. 39 - Risk-based management and remediation guidance for benzo(a)pyrene*
- Standards Australia (2005) *Australian Standard AS 4482.1-2005 – Guide to the investigation and sampling of sites with potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds*. Standards Australia, Homebush, NSW (withdrawn)
- Standards Australia (1999) *Australian Standard AS 4482.2-1999 - Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile substances*. Standards Australia, Homebush, NSW (now Withdrawn).
- PFAS National Environmental Management Plan (NEMP, 2020).

2. Site Identification

The site is known as 128-134 Rickard Road, Leppington, NSW, 2179 and is legally described as Lots A and B in Deposited Plan 411211. The site is located on the eastern side of Rickard Road and is approximately 4.1ha in area. The site is located immediately south of the existing Leppington Public School at 144 Rickard Road and is approximately 700m south of Leppington Train Station.

Figure 2-1 below provides an aerial image of the site.

Figure 2-1 Aerial image of site (source: NearMap)

The northern portion of the site is currently used for residential purposes. The southern portion of the site is used for agricultural purposes, with multiple greenhouses and an existing pond on the property.

The information presented in Section 2 is sourced and summarised from the Preliminary Site Investigation (PSI) (JK Environments 2023b) and references the Lotsearch report presented in Appendix B. It is noted that the boundary of the Lotsearch report is inclusive of the Site (Lot A & Lot B DP411211) and adjacent lots (Lot 1 DP439310, Lot 1 DP127446, Lot 38E & Lot 39C DP8979), however summaries presented in this Section only refer to Site areas Lot A and Lot B DP411211).

Table 2-1 Site identification information.

Title Identifiers	Lot A and Lot B (DP411211)
Address	128-134 Rickard Road, Leppington, NSW
Area	Approximately 4.1ha
Owner	Lot A and Lot B DP411211: The Minister for Education and Early Learning
Zoning	B7 – Business Park
Current Land Use	The majority of Lot A is occupied by greenhouses and utilised for agricultural / market gardening purposes. Lot B consists of mostly vacant land with a residential property.
Proposed Land Use	Refer to Section 1.2
Surrounding Land Use	North: Leppington Public School, including demountable structures, fixed building structures and outdoor sports areas. Agricultural use land beyond. South: Agricultural land with scattered residential dwellings East: Agricultural land with scattered residential dwellings West: Rickard Road is located immediately off-site to the west with agricultural land with scattered residential dwellings beyond.

3. Site History

3.1 Historical Aerial Images Review

Aerial photographs for the following years were obtained by Lotsearch (sourced from the NSW Department of Customer Service), reviewed by JK Environments (2023a) and summarised by SMEC:

- 1949, 1955, 1961, 1965, 1970, 1978, 1982, 1986, 1991, 1994, 2000, 2005, 2011, 2016, 2021 and 2022.

The historical aerial images (as part of the Lotsearch report) are presented in Appendix B.

A summary of key findings from the PSI (JK Environments 2023a) review of historical aerial photography indicate:

- Earliest available historical aerial imagery from 1949 appears to show that the Site is predominantly being utilised for agricultural paddock/crop growing purposes. A structure is visible within the central northern portion of the Site (demolished by 1961), the land surrounding the Site at this time appears to be predominately utilised for agricultural paddocks/crop growing areas with sporadic building structures (assumed farmhouses and agricultural use building structures)
- Leppington Public School (formerly known as Raby School) (located immediately off-site to the north) was reportedly opened in 1923
- Between 1949 and 1970 several additional structures are constructed (some possibly also demolished) within the central-northern portion of the Site, evidence of crop growing at several locations across the Site is also evident across this time span
- The 1978 image shows that the residential dwelling on Lot B has been constructed – there is some evidence of possible cutting and filling during the construction of the dwelling. The greenhouses in Lot A appear on the 1994 imagery, the greenhouses disappear by 2007 and re-appear in 2011 with further greenhouse construction circa 2019. Evidence of the storage of unknown materials (possibly waste materials associated with the observed construction) is evident from circa 2011 within the southern extent of Lot B (this aligns with observations of stockpiles SP1, SP2 and SP3). Possible existing structures and a farm dam are also located in this portion of the Site (but the extent is obscured by the presence of trees).

Relevant observations are presented on Figure 2, Appendix A. Section 3.5 has been supplemented with relevant historical aerial photography information.

3.2 Review of Publicly Available Information

A review of publicly available information is provided in Table 3-1. This information is sourced from public databases and is presented in the Lotsearch report in Appendix B.

Table 3-1 Review of publicly available information.

Information	Summary
Land Title Search	A review of historical land titles carried out by JK Environments (2023a) indicated: • The Site was owned by NSW Realty between 1920 and 1929 • The Site was owned by numerous individuals including a farmer between 1929 and present day • The proprietors of the site as at 2023 were George Bautovich and Isobel Mary Therese Boccalatte (Lot A in DP411211) and 134 Pickard Leppington Pty Ltd (Lot B in DP411211) – SMEC understands that the Site is being leased as follows: Lot A is for agricultural purposes, and Lot B for use as a residential premises. – SMEC was advised in January 2025 that the site is now owned by The Minister for Education and Early Learning

Information	Summary
Contaminated Land Search	A search of the NSW EPA 'List of NSW contaminated sites notified to EPA' and the NSW EPA 'Contaminated Land: Record of Notices' was carried out on 27 February 2024. The search results indicated that the following site was recorded within 500m of the Site: • Coles Express Service Station located 468m south-east of the site was notified as a contaminated site to the EPA. The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required. The service station is considered unlikely to represent a plausible contamination source for the Site based on the distance from Site as well as being located likely down hydraulic gradient of the Site.
POEO Database Search	A search of the NSW EPA Protection of the Environment Operations (POEO) register was carried out on 27 February 2024. The following licensed activities were recorded within 500m of the Site: • Sydney trains (EPL 12208) railway systems activities was recorded. This is a network of features, with the closest point located approximately 273m north of the Site. • Various other formerly licensed activities are recorded to be present offsite on surrounding land with the nearest activity approximately 16m east of the Site, however, these are generic to many sites in NSW and include, for example, the application of pesticides to waterways in NSW. These licensed activities are unlikely to pose a contamination risk at the Site.

3.3 Historical Business Directory Records Review

A search of historical Business Directory Records (1950-1991) (mapped to premise or road intersection) indicated that several historical businesses have historically operated within the vicinity of the Site, however, none of the recorded business types would typically be associated with being potential sources of contamination.

A review of Dry Cleaners, Motor Garages & Service Stations in the Universal Business Directory from 1948-1993 was also carried out with no matches for these premises identified for the Site. Several directory entries were reported referring to a 'motor garages and engineers' (located somewhere along Hume Highway), however the specific location of the business is unknown.

Historical business record search results are presented in Appendix B.

3.4 Previous Reports

Previous reports for investigations undertaken at the Site were provided to SMEC by SINSW. SMEC undertook a review of previous reports and key findings are presented in Table 3-2.

Table 3-2 Summary of findings from review of previous Site reports.

Report	Summary
JK Environments (2023a) Geotechnical Desktop Assessment	JK Environments (2023a) completed a geotechnical desktop assessment of the Site. As part of the desktop assessment JK Environments reviewed historical information and online available geological information and conducted a site inspection from surrounding streets (access within Site restricted at the time of assessment). JK Environments identified the following contamination sources: • Fill material • Historical/current agricultural land use • Use of pesticides around site • Hazardous building materials in former and existing buildings • Stored materials/wastes and dam/possible wastewater pond to the south-east of Lot A DP411211. JK Environments subsequently recommended a preliminary intrusive investigation to assess the soil contamination and a sample, analysis and quality plan (SAQP) be developed for the Site.

Report	Summary
JK Environments (2023b) Preliminary (Intrusive) Site Investigation	JK Environments (2023b) completed a drilling investigation at the Site, SMEC have been provided with a copy of the draft PSI including drilling logs and a bore location figure. The JK Environments investigation appears to have included the drilling of 30 boreholes (using a rotary auger) to depths ranging between 1.3m bgl and 5.2m bgl. The drilling program appears to have been carried out on an approximate grid across the north and southern portion of the Site (the central-southern portion of the Site i.e. the areas of greenhouses appears to have been excluded from the investigation). It appears that no standing groundwater or groundwater ingress was observed within any of the boreholes, all bore logs noted that the bore was 'dry on completion'. Fill was generally only encountered within the southern portion of the Site (refer to Figure 2, Appendix A below) and was encountered to a maximum depth of 0.5m bgl. Where observed, fill generally comprised brown/grey silty clay/sand with trace fragments of igneous gravels, concrete, plastic, asphalt, terracotta, brick and ash observed in some bore locations. The observed fill layer generally overlay a residual clay which overlay an extremely weathered shale (interpreted to represent Bringelly Shale). Soil samples, a sediment sample and a surface water sample were analysed for identified contaminants of potential concern (CoPC) (including metals, benzene, toluene, ethylbenzene, xylene (BTEX), total recoverable hydrocarbons (TRH), polycyclic aromatic hydrocarbons (PAH), organochlorine pesticides (OCP), organophosphate pesticides (OPPs), polychlorinated biphenyls (PCBs), asbestos). The investigation identified the following exceedances of the adopted PSI criteria: • 2 soil samples (in fill layer) exceeded adopted human health criteria for asbestos: – 1 sample in the south of the west most greenhouse in Lot A, 0-0.1m below ground level (bgl) – 1 sample in the south east corner of Lot A, 0-0.1m bgl • 1 soil sample (in fill layer) exceeded adopted human health criteria for carcinogenic PAH (as benzo(a)pyrene (BaP) TEQ), in the central southern portion of Lot A (0-0.1m bgl) • 4 soil samples (in fill layer) exceeded adopted ecological criteria for TRH: – All four samples were between 0-0.1m bgl and were located south of the greenhouses in Lot A • 1 soil sample (in fill layer) exceeded adopted ecological criteria for zinc, 0-0.1m bgl, at the central northern perimeter of Site in Lot B (where "remnant/demolished corrugated metal sheds and associated debris" was observed, Figure 2, Appendix A) • 4 fragments of potential asbestos containing material (ACM) returned positive for asbestos content at the same location in the south east corner of Lot A (0-0.5m bgl) As a results of the preliminary intrusive investigation, JK Environments recommended the development of a SAQP for the DSI and the undertaking of a DSI at the Site.
JK Environments (2024) Geotechnical investigation	The JK Environments (2024) report presented the results of a due diligence geotechnical investigation for the proposed development of a high school at the Site. The geotechnical investigation considered that the Site was suitable for the proposed school development and noted the following (among other findings): • Building footprints are proposed in areas where dams were observed, "water-softened" material is to be removed prior to backfilling, and backfilled material compacted • Residual soil material identified as silty clay – this will require careful compaction (i.e. compacted at close to its optimum moisture content, not over compacted) and adequate drainage • Extremely weathered claystone and siltstone requires similar treatment • Footings required to be founded within weathered bedrock (noting high structural load of four storey buildings) • Findings indicated thick pavements (underlain by 150mm layer of subbase) and subsoil drainage would be required • Based on current information, excavations generally anticipated to be to depths of less than 3m • It is not anticipated that excavations will encounter the groundwater table.

Report	Summary
JBS&G (2024) Hazardous Building Materials Survey	JBS&G conducted a Hazardous Building Materials Survey (HBMS) of structures located at Lot A. The objective of the HBMS was to determine the presence, quantity, and condition of any hazardous materials within the Lot A structures prior to their proposed demolition as part of the proposed activity. The HBMS identified the following: • Non-friable ACM throughout Lot A: – Caravan internal floor (vinyl floor tiles) – Large stockpile running adjacent to the driveway (south corner of Lot A) (it is note that this aligns with the stockpile identified as 'SP3', refer to Section 4.2.1) – Ground surface adjacent to the chicken coops • No elevated levels of lead in dust, no asbestos containing dust, and no suspected PCB containing light fittings were collected or observed at the time of inspection • No lead based paint samples were collected at the time of inspection; all paint systems were analysed onsite and determined to comprise non-lead based paints • Synthetic Mineral Fibres (SMF) material: – Identified in poor to fair condition throughout Lot A – Typically in the form of insulation to the hot water unit, internal insulation to heater systems within the greenhouses, and loose insulation batts to the ground surface and within rubbish stockpiles.

3.5 Site History Summary

The Site was primarily vacant agricultural fields with evidence of agricultural activity still present on Lot A. Development took place between 1970 and 1975 in the form of a residence constructed within the western portion of Lot B. Development in Lot A occurred between 1990 and 1994 in the form of greenhouses constructed in the southern portion of the Site. The greenhouses were demolished between 2000 and 2005. Additional greenhouses were progressively constructed to cover a majority of Lot A between 2005 and 2021. JK Environments (2023a) also noted the potential for an area of fill materials within the eastern portion of Lot B.

A review of historical business directory records carried out by JK Environments (2023a) identified four properties, including the Coles Express Service Station within a 1km radius of the Site. All four properties were located over 645m away and cross or down gradient of the Site. Due to the distance and regional topography SMEC did not consider these properties to represent off-site sources of contamination.

4. Site condition and surrounding environment

4.1 Site Environmental Setting

A summary of Site environmental setting is presented below in Table 4-1.

Table 4-1 Summary of Site environmental setting.

Aspect	Detail
Topography and Landforms	The north-eastern portion of the Site represents a high point on the Site (around 100m AHD), from this point the Site slopes down to the west and south to low points in the south-western and south-eastern corners of the Site of around 90m-92m AHD, as shown on Figure 1 in Appendix A.
Vegetation	During the Site walkover mature trees were observed sparsely populating the northern portion of Site and to the south and south western boundary. The majority of the northern portion of Site was observed with dense grass cover. The southern portion of site was observed undertaking agricultural activities with a substantial number of crops of various type under different stages of development, some showing signs of failing.
Geology	Reference to the Seamless Surface Geology mapping layers (accessed via minview.geoscience.nsw.gov.au – 27 February 2024) indicates that the Site may be underlain by Bringelly Shale (described as shale, carbonaceous claystone, laminate, lithic sandstone, rare coal).
Hydrology and Hydrogeology	With reference to the groundwater borehole mapping layer accessed via Minview.geoscience.nsw.gov.au - 14 December 2023), there are several groundwater bores located greater than 900m south and east of the Site. A review of nearby waterbodies was undertaken through MinView website (accessed 25 February 2024) which indicates the presence of a non-perennial (i.e. ephemeral) waterbody feeding into Kemps Creek flowing south to north approximately 150m west of the Site. A non-perennial waterbody feeding into the Upper Canal flowing south to north is also located approximately 250m east of the Site. These are presented on Figure 1A, Appendix A. JK Environments (2023a & 2023b) also reported the presence of a suspected farm dam in the south-eastern portion of Lot A. In 2023, JK Environments drilled 30 boreholes (using a rotary auger) to depths ranging between 1.3m bgl and 5.2m bgl across the Site. It appears that no standing groundwater or groundwater ingress was observed within any of the boreholes, all bore logs noted that the bore was 'dry on completion' (refer to Section 3.4). During the SMEC DSI investigation the following was noted: • No groundwater inflows were observed within any test pit or hand auger location • During groundwater well installation water ingress was observed within SMW03 at 0.1m bgl. This is expected to be a result of the proximity to the farm dam/wastewater pond. • Groundwater well MW02 was dry during groundwater monitoring (Section 8.3). Based on topographic contour mapping for the Site and surrounds and based on the location of nearby watercourses (NSW spatial services data set: perennial and non-perennial water courses) (viewed through the MinView website – accessed 25 February 2024), groundwater is inferred to flow in an east or north east direction.
Acid Sulfate Soils	A review of Acid Sulfate Soil (ASS) information contained within the online NSW eSpade tool (https://www.environment.nsw.gov.au/eSpade2Webapp), accessed on 25 February 2024, indicated that it was outside the currently mapped area for acid sulfate soil probability. pH field screening and soil characteristics observed during sampling did not indicate the presence of ASS at the Site.

4.2 Site Inspection

A SMEC environmental engineer made observations on accessible parts of the Site on 25 January 2024 and during an additional field mobilisation on 24 July 2024. Selected photographs of the Site taken during the Site inspection are presented in Appendix D, and key features are presented on Figure 2, Appendix A.

A summary of relevant observations at the Site is presented in Section 4.2.1 (Lot A, DP411211) and Section 4.2.2 (Lot A, DP411211).

4.2.1 Lot A, DP 411211 - 128 Rickard Road Observations

General observations:

- A main driveway that lead through Lot A was observed to be unsealed and comprised of concrete, sandstone, tiles and gravel. The driveway was observed to be generally flat and sloped down towards the road (refer to Image 1 and 2)
- Rubbish and waste was observed across the Lot A surface, including plastic, sandstone, concrete, wood and metal debris, furniture, polystyrene and hose tubing. The density of the rubbish and waste increased adjacent to the driveway (refer to Image 4)
- Plastic irrigation tubing/piping was noted running across Lot A
- A sheet of fibrous, corrugated material (suspected Six Roofing or Synthetic Mineral Fibre roofing) was observed in the western portion of the lot, near the Site entrance and adjacent to the mains water valve (Images 5 and 6)
- The western portion of Site was predominately used for crops, underlain with a plastic liner (refer to Image 3)
- A dilapidated caravan was present adjacent to the southern fence towards the central portion of Lot A (refer to Image 10)
- Two metal storage units were observed in the south west of Lot A, adjacent to the driveway, described as follows:
  - 'Shipping Container 1': storage of disused equipment, including wooden stakes, metal drums, an air conditioning unit, wooden pallet, chairs, plastic rubbish
  - 'Storage Shed': this shed was locked and inaccessible at the time of inspection
  - Surface rubbish was evident in the area surrounding these storage units, including: metal poles, black plastic, Styrofoam containers, wooden stakes, metal fencing
  - Refer to Image 11 and 12
- A second shipping container ('Shipping Container 2') was observed adjacent to the Storage Compound, described as follows:
  - The shipping container was observed to store black plastic, shovels and stakes
  - Surface rubbish was evident in the area surrounding this shipping container, including: metal pieces, plastic liner, wooden pieces, polystyrene, metal nails, tile fragments and broken glass
  - Refer to Image 13
- An area with waste material across surface soils was observed in the south eastern portion of Site, adjacent to 'Dam A' and 'SP3', including the following observations:
  - 20 to 30 potential ACM fragments (refer to Image 27)
  - Evidence of burnt materials, in patches across the area (approximately <0.5m x 0.5m areas), including burnt plastics, cardboard, wood and glass (refer to Image 32)
  - Sheep carcasses observed only during Site inspection on 24/07/2024
  - Irrigation piping was observed across this area (assortment of in-use pipes, and disused and damaged pipes)
  - Three Above-ground Storage Tanks (ASTs) (further details below), all three ASTs ('Tank A', 'Tank B' and 'Tank C') appeared to be connected to a pump and irrigation tubing system

- Three ASTs were observed, designated as follows:
  - 'Tank A': green plastic tank, appeared to be in use for rainwater collection, not able to observe the inside of the tank (refer to Image 29)
  - 'Tank B': black plastic tank, appeared to be in use for rainwater collection, not able to observe the inside of the tank (refer to Image 30)
  - 'Tank C': metal tank, not able to observe the inside of the tank, unsure of tank use (refer to Image 31).

Greenhouses:

- Greenhouses were observed extending across Lot A to cover the majority of the area. The greenhouses and the western portion of Site were underlain with plastic liner and crops present across Lot A atop plastic liner (refer to Image 3, 8 and 26)
- 12 cylindrical liquified petroleum gas (LPG) tanks approximately a 1m in height and 0.5m in diameter tanks were present south adjacent to the greenhouses. Odours or staining associated with their use was not observed at the time of site inspection (refer to Image 8)
- A small greenhouse was observed located adjacent to the Storage Compound, enclosed in plastic and appeared to be in use for seedling propagation
- An in-use bird coop was observed next to the greenhouses and Storage Compound.

Dams:

- A small dam/waste water pond approximately 2m in width, 6m in length, and depth unknown (suspected <0.5m), designated 'Dam B', was present in the south west of site adjacent to the south-western most greenhouse (refer to Image 7)
- A large dam/waste water pond, designated 'Dam A', was present to the south west corner of site; aerial photography estimations approximate the area of the dam/waste water pond to be 100m^2 (refer to Image 25)
  - The depth of the dam was unable to be determined
  - This dam was bunded by a large soil stockpile, designated 'SP-3' and described below.

Stockpiles designated as follows (locations presented on Figure 2, Appendix A):

- SP1: soil stockpile approximately 5m in length, 4m wide and 1.5-2m in height
  - This stockpile comprised dark grey gravels, expected to be asphalt
  - It is noted that this stockpile was observed to be present during the second inspection (24/07/2024) and was not present during the first Site inspection (25/01/2024)
  - Refer to Image 33
- SP2: waste stockpile of farm equipment (disused) approximately 20m in length by 10m in width by 0.5m in height
  - Consisted of farm machinery, plastic, concrete blocks, hose tubing, wheel barrow, quilts/mattresses, miscellaneous metal items, metal sheeting, tyres and pallets
  - Refer to Image 14
- SP3: soil stockpile approximately 32m in length, 5-15m wide (variable width) and 2-3m in height was observed adjacent to Dam A, acting as a dam bund wall
  - ACM fragments were observed throughout this stockpile; SP3 is discussed further in Section 11.1.2
  - Refer to Image 26 to 28
- SP4: soil stockpile appearing to be approximately 2m in width, 5m in length and 0.5m in height (at the time of site inspection on 25/01/2024)
  - It is noted that this stockpile was no longer present during the inspection on 24/07/2024, the stockpile source and fate is unknown
  - Refer to Image 9

Storage Compound:

- An open structure (designated as the 'Storage Compound') in the southern portion of Site comprising several storage areas, a lunch room, a bathroom, and a bedroom, was located in the southern portion of Site (refer to Image 15 to 24)
  - The flooring of the Compound was generally directly on Site soils, with some pallets and wooden sheets
- There were several containers of chemicals (pesticides and herbicides, typically between 5L to 20L) stored within the Storage Compound, including: N25 YARA 20L, COCOS B, Nitrozyme, Novral, Zeemil, N25 (nitrogen and phosphoric acid insecticide); and a container of Diesel engine oil
- A 190kg barrel containing "Evening Primrose Oil" was observed in the Storage Compound, directly on ground soils (refer to Image 23 and 24)
- Four Intermediate Bulk Containers (IBCs) were observed within the Storage Compound, designated as follows:
  - 'IBC-A': it is unclear what was stored within this container, stored next to the container was "Auxinone" root hormone stimulant, this container appeared to be connected to a pump system; stored on a metal stand placed on a wooden plank (refer to image 19 and 20)
  - 'IBC-B': it is unclear what was stored within this container, stored next to the container was "Seasol Trilogy 631" and "Metalyxl Fungicide 250FC", this container appeared to be connected to a pump system; stored on a metal stand placed on a wooden plank (refer to image 19 and 20)
  - 'IBC-C' and 'IBC-D': stored on wooden base slats, appear to be disused, unknown black sludge observed within the containers (unable to observe closely) and there were no clear labels on the container, odour was not detected at the time of observation (refer to Image 21 and 22)
- Potential ACM in the form of wall sheeting in good condition was observed across the Storage Compound area in various areas, it is suspected hazardous building material of which the Compound appears to be generally constructed
  - It is noted that JBS&G identified the wall panels of the structure to comprise non-asbestos containing fibre cement sheeting.

4.2.2 Lot B, DP 411211 – 134 Rickard Road Observations

- Lot B was primarily vacant and densely grassed with an occupied residence and backyard in the western portion of Lot B (refer to Image 34)
- Minor amounts of rubbish was observed across Lot B, including: polystyrene, wood and plastic pieces (refer to Image 35)
- A mounded area was observed within the southern area of the backyard fenced area of the residence:
  - Approximately 5m in length by 5m in width
  - Refer to Image 36
- An in-ground septic tank was observed in the northern area of the backyard (refer to Image 37)
- Several established and small trees were observed east of the residence, in the eastern portion of Lot B DP411211 (refer to Image 39)
- Waste material observed in the central portion of the Site and adjacent to the school fence, described as follows:
  - Remnant/demolished corrugated metal sheeting and associated debris from old sheds onsite, including: metal sheeting, wooden boards/pieces, PVC, plastic, concrete, star pickets, tin/metal cans, hose tubing, mattresses and glass
  - Locations presented on Figure 2, Appendix A
  - Refer to Image 37, 40 and 47
  - Sheep carcasses were observed near the intersection of the site boundary and Lot A. Only during the Site inspection on 24/07/2024.

5. Preliminary Conceptual Site Model

Based on the findings of the desktop review, areas of potential environmental interest (AEI) and associated contaminants of potential concern (CoPC) have been identified.

A preliminary Conceptual Site Model (CSM) has been prepared which presents potential source(s), pathway(s) and ecological/human receptor(s) linkages. For a risk to exist all three components (source, pathway, receptor) of the CSM must exist. The preliminary CSM should form the basis for decisions regarding the scope of works for further investigations and the ongoing contamination management and remediation options.

5.1 Potential contamination sources

The following preliminary Conceptual Site Model (PCSM) has been produced based on a review of JK Environments (2023a) and the desktop review and site walkover conducted by SMEC.

Based on a review of Site history, five potential areas of environmental interest (AEI) and potential contamination sources were identified, including:

- AEI 1: Areas near former/existing building structures from weathering and/or ineffective demolition of hazardous building materials
- AEI 2: Areas of possible filling of unknown origin and/or quality.
- AEI 3: Whole Site from potential spraying of pesticides and herbicides and from application of pesticides related to crop growing activities
- AEI 4: Farm Dam/waste water ponds Dam A and B
- AEI 5: Septic tank.

AEIs are graphically presented in Figure 2, Appendix A.

Based on the findings of the PSI there are a number of plausible source-pathway-receptor linkages for the site (in the context of the proposed construction activities) as presented within Table 5–2 below and a visual representation of the preliminary CSM can be found in Figure 6, Appendix A.

Table 5-1 Summaries identified AEIs.

AEI No.	Potential AEI	Likelihood of contamination[1]	Media potentially affected	CoPC[2]	Comments
1	Areas near former/existing building structures from weathering and/or ineffective demolition of hazardous building materials	High	Soils	Asbestos Lead (from lead-based paints), zinc (from weathering of galvanised iron).	Historical aerial imagery shows older structures (in various states of disrepair) presently on site which may have been constructed using hazardous building materials. Some structures appear to have been demolished which may have resulted in impacts to shallow soils from hazardous building materials and the observed residual stockpiles of waste building materials. The existing residential dwelling and ancillary structures may have been constructed using hazardous building materials.
2	Areas of possible filling of unknown origin and/or quality	Low to moderate	Soils	Heavy metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Zn), PAHs, TPH, BTEX, PCB, OCP, OPP, asbestos (potentially others depending on source).	JK Environments (2023a) noted fill materials throughout Lot B to a maximum depth of 0.5m bgl.
3	Whole Site from potential spraying of pesticides and herbicides and from application of pesticides related to crop growing activities	Low to moderate	Soils	OCP, OPP, phenoxy acid herbicides, arsenic, lead, cadmium, copper, mercury and zinc Urea, Salinity, ASS, PFAS	Potential use of pesticides and historical agricultural activities and within the on-site greenhouses.
4	Farm dam/possible wastewater pond (Dam A and B)	Moderate	Sediments and surface water	Heavy metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Zn), PAHs, TRH, BTEX, PCB, OCP, OPP Nutrients, ASS [3], urea[4]	It is presently unknown if the dam/pond stores rainwater or stormwater or whether it is wastewater related to on-site agricultural activities. Sediments within the pond may have also be impacted.
5	Septic tank	Low to moderate	Soils	E. Coli, faecal coliforms	No evidence of failure of the septic tank was noted during the Site inspection.

Table notes:

1. This is our qualitative assessment of likelihood of contamination being detected from the data reviewed, not financial or other risk associated if contamination were to be detected; the likelihood of contamination has been assessed based on our current understanding of the proposed future use of each Site during construction
2. CoPC = Contaminant of potential concern
3. It was requested by SINSW an ASS screen be undertaken to eliminate the possibility of their presence in soil materials at the Site
4. It was requested by SINSW that soil materials be screened for urea.

Table 5-2 Summary of potentially complete source-pathway-receptor linkages

Potential source of impact	Potentially impacted media	CoPC	Migration pathway(s)	Potential exposure pathway(s)[1]	Potential Receptor(s)
AEI 1 AEI 2 AEI 3 AEI 5	Soils	Asbestos, heavy metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Zn), PAHs, TPH, BTEX, PCB, OCP, OPP, phenoxy acid herbicides, PFAS, faecal coliforms, Urea (indirectly screened see Section 7.1.5).	Direct contact/ingestion of contaminated soils Migration of dusts/fibres followed by ingestion/inhalation	Direct dermal contact with contaminants or contaminated media	• Residents • Workers (including maintenance) • Future workers (future construction) • Future users (staff and students) • Offsite human receptors
				Inhalation of soil dust or fibres	
				Incidental ingestion of contaminated soil (human)	
				Ingestion (biota)	Ecological receptors
AEI 4	Sediment and surface water	Heavy metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Zn), PAHs, TPH, BTEX, PCB, OCP, OPP, herbicides, PFAS	Direct contact/incidental ingestion of contaminated surface water and sediments	Direct dermal contact with contaminants or contaminated media	• Residents • Workers (including maintenance) • Future workers (future construction) • Future users (staff and students) • Offsite human receptors
				Incidental ingestion of contaminated water (human)	
				Ingestion (biota)	Ecological receptors

Table notes:

1. The potential for groundwater receptors is considered relatively low due to the general depth of encountered groundwater >5m bgl.

6. Sampling Analysis and Quality Plan

6.1 Data Quality Objectives

The data quality objectives (DQOs) in Table 6-1 developed for this project are based on the requirements detailed in the ASC NEPM (1999) (amended 2013). Data Quality Indicators (DQIs) are included in Appendix C.

Table 6-1 Data quality objectives.

Step	Discussion
Step 1 State the problem	The site has historically been used for agricultural (paddock) and crop growing purposes including the construction and demolition of some structures, with previous investigations identifying fill and CoPC exceeding adopted assessment criteria in soils at a couple of locations onsite. Accordingly further assessment is required to determine the nature and extent of CoPC in soils, groundwater, sediments and surface water at the Site. The main considerations are: • What sample layout should be used to achieve the above objectives? • How many samples should be collected? • What analytes should be tested? • What media should be tested?
Step 2 Identify the decisions	Determine to what extent contamination is likely to be present at the Site? The decisions to be made on the basis of the sampling were: • Is the Site suitable for the proposed activity (new high school for Leppington and Denham Court) (HIL C) based on contaminant levels and aesthetics? • If the Site is not suitable for the proposed activity, determine whether sufficient information is available to devise a risk-based remediation strategy.
Step 3 Identify information inputs	The inputs required to make the decisions listed in Step 2 were as follows: • Information from the PSI • Site observations made during the site walkover, intrusive investigations, including observations of fill/natural soil depth, and contamination indicators (suspected ACM, unusual odours, staining or buried waste materials) • Field soil headspace screening for VOCs using a photo-ionisation detector (PID) during fieldwork • Soil physical-chemical parameters (for derivation of EILs) • Soil, groundwater, sediment and surface water sample results (tested at a NATA accredited laboratory for the contaminants of potential concern identified as part of the initial investigation) • Applicable NSW EPA endorsed guidelines (refer to Assessment Criteria (Section 7) • Sampling and analytical methods assessed against Data Quality Indicators (Appendix C)
Step 4 Define the study boundaries	Laterally, the study boundary is generally defined by the Site boundary as shown on Figure 1 and Figure 2, Appendix A. The investigation was limited to accessible portions of the Site therefore soil materials beneath existing structures, namely the residence were not a assessed. Vertically, the study boundary for this detailed investigation will be to the top of natural materials. Temporally, this investigation considers available historic data provided to SMEC.
Step 5 Develop the analytical approach (decision rule)	The decision rule for soils was as follows: • A data validation assessment will be carried out for all data collected with respect to quality assurance and quality control (QA/QC) and conclude if the data collected is useable, partially useable with some limitations, or unusable in forming conclusions to the assessment.

Step	Discussion
	• If there is no field evidence of contamination and contaminant concentrations for each sample are below the assessment criteria, then no further assessment will be required with respect to that contaminant or area • For areas where sufficient data has been collected in a systematic pattern and with respect to human health, the 95% Upper Confidence Limit (UCL) of the arithmetic mean contaminant concentration should be below the assessment criteria and the results must also meet the following: – No single value is to exceed 250% of the human health criteria – The standard deviation must be less than 50% of the human health criteria Additional considerations will include aesthetic requirements as per Section 7.1.4. If the statistical parameters (or aesthetics) of the sampling data exceed the assessment criteria, then remediation/management will be required, otherwise soils will be assessed to be suitable for a HIL-C land use. The CSM will be updated and used to make an assessment of the data along with consulting judgement and experience.
Step 6 Specify performance or acceptance criteria	We have assumed the following to be true in the absence of contrary evidence (i.e. the null hypothesis): • Contamination at the Site currently poses a potential risk to human and/or environmental receptors. The possibility exists of making the following decision errors based on the data obtained during this investigation: • Type 1 error – Deciding the above null hypothesis is false, when it is true • Type 2 error – Deciding the above null hypothesis is true, when it is false. The consequence of making a Type 1 error is more detrimental as it can result in adverse consequences or may include material impact to human and environmental health. The consequence of making a Type 2 error may result in 'over-conservatism' and unnecessary expense of conceptual remediation options and capping design. The potential for decision errors will be minimised by completing a robust quality control (QA/QC) program and by completing an investigation that has an appropriate sampling and analytical density for the purposes of the investigation. The QA/QC program would conclude if the data collected is useable, partially useable with some limitations, or unusable in forming conclusions to the assessment. The assessment will be carried out as per the Data Quality Indicators (DQIs) (completeness, comparability, representativeness, precision and accuracy) in Appendix C.
Step 7 Optimise the design for obtaining data	Sampling was carried out in accordance with the methodology in Section 6.2, and optimised the design for obtaining data using the following measures: • Field investigations were carried out by trained environmental scientist/engineer, under direction of senior staff experienced contaminated land assessment • Site observations of visual and olfactory evidence of contamination were made at sampling locations • Sampling was generally carried out on a roughly equally spaced systematic grid, in some instances, sampling locations needed to be adjusted to account for logistical issues e.g. inaccessible area, trees, paved areas, buried services etc. • Analysis was selected based on subsurface observations and field PID soil headspace screening.

6.2 Sampling Methodology

6.2.1 General

Sampling was undertaken in two field mobilisations, as summarised below. Soil sampling locations are shown in Figure 3, Appendix A.

- 3 boreholes drilled to 10m bgl
- 178 test pits
  - 44 excavated to 1.8m bgl (Mobilisation 1)
  - 134 excavated to 2mbgl (Mobilisation 2)
- 44 hand augers in areas that were not accessible with an excavator
  - 21 hand augers were drilled to 0.7m bgl (Mobilisation 1)
  - 23 hand augers to a maximum depth of 0.6m bgl (Mobilisation 2)
- Surface samples
  - 6 surface samples from across the Site (Mobilisation 2)
  - 2 fragments for potential ACM collected at the Site surface (Mobilisation 1)
  - Several asbestos fragments (visual observations only, no analytical analysis undertaken; further details are provided in Section 8) (Mobilisation 2)
- 3 stockpile samples collected from test pit excavations into stockpile SP1 (Mobilisation 2)
- 2 surface water samples from the two dams/waste water ponds (Dam A and Dam B) at the Site (Mobilisation 1)
- 2 sediment samples from farm dam/waste water pond in the south-eastern portion of the Site (Mobilisation 1)
- 3 groundwater wells were installed and 2 groundwater samples collected (one well was dry) (Mobilisation 1).

Table 6-2 provides an outline of the methodology for sampling locations with respect to AEIs defined in the preliminary CSM (refer to Section 5).

Table 6-2 Investigation locations – Fieldwork Mobilisation 1.

Site Area	Sampling Location	Methodology	Comments
Lot B, driveway	STP12	Test pit (excavator)	General Site area across Lot B, targeting AEI2, AEI3
	ACM-02	Surface grab sample (asbestos fragment)	Targeting visual observation
Lot B, central northern portion	STP07, STP08, STP10, STP16	Test pit (excavator)	Targeting AEI1, AEI2, AEI3; historic structure (areas of remnant/demolished metal sheds and associated debris)
	BH30, BH30-A, BH30-B, BH30-C, BH30-D	Test pit (excavator)	Delineating BH30 zinc exceedance
	BH30-E, BH30-F, BH30-G, BH30-H	Test pit (excavator) – observation only	Observation only, no samples analysed
	STP07, STP07-A, STP07-B, STP07-C, STP07-D	Test pit (excavator)	Delineating STP07 zinc exceedance
	STP07-E, STP07-F, STP07-G, STP07-H	Test pit (excavator) – observation only	Observation only, no samples analysed
	STP08, STP08-A, STP08-B, STP08-C, STP08-D	Test pit (excavator)	Delineating STP08 zinc exceedance
	STP08-E, STP08-F, STP08-G, STP08-H	Test pit (excavator) – observation only	Observation only, no samples analysed
	STP10-E, STP10-G, STP10-P	Test pit (excavator)	Delineating STP10 asbestos exceedance
	STP10, STP10-A, STP10-B, STP10-C, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-K, STP10-L, STP10-M, STP10-N, STP10-O	Test pit (excavator) – observation only	Observation only, no samples analysed ACM fragments observed in all observational test pits except for STP10-O
Lot B, residential yard area	STP11	Test pit (excavator)	General Site area across Lot B, targeting AEI2, AEI3
	STP13	Test pit (excavator)	Targeting AEI2, AEI3, AEI 5; location near septic tank
	STP20	Test pit (excavator)	Targeting AEI2, AEI3; sub-surface fill encountered by JKE (2023)
	STP21	Test pit (excavator)	Targeting AEI1, AEI2, AEI3; historic structure (areas of remnant/demolished metal sheds and associated debris)
	STP21-D, STP21-E, STP21-F	Test pit (excavator) – observation only	Observation only, no samples analysed
	HA-D, HA-F, HA-G, HA-H	Hand auger sample	Targeting boundary of residential property
Lot B, open paddock area	STP01, STP02, STP03, STP04, STP05, STP06, STP09, STP14, STP15, STP17, STP18, STP19, STP23, STP24, STP26, STP27	Test pit (excavator)	General Site area across Lot B, targeting AEI2, AEI3
	STP25	Test pit (excavator)	Targeting AEI1, AEI2, AEI3; historic structure (areas of remnant/demolished metal sheds and associated debris)

Site Area	Sampling Location	Methodology	Comments
	STP22	Test pit (excavator)	Targeting AEI2, AEI3; sub-surface fill encountered by JKE (2023)
	SHA01	Hand auger	Targeting AEI1, AEI3; historic structure (areas of remnant/demolished metal sheds and associated debris)
	SS03	Surface sample	Targeting surface soil inside the historic structure (areas of remnant/demolished metal sheds and associated debris)
	SHA02	Hand auger	General Site area across Lot B, targeting AEI1, AEI3; historic structure (areas of remnant/demolished metal sheds and associated debris)
Lot A, access road (west)	STP34	Test pit (excavator)	Targeting AEI2, AEI3; fill encountered by JKE (2023)
Lot A, access road (central)	STP39	Test pit (excavator)	Targeting AEI2, AEI3; fill encountered by JKE (2023)
	STP38	Test pit (excavator)	Targeting AEI1, AEI2; historic structure
Lot A, access road (central, east)	BH4-A, BH4-B, BH4-C, BH4-D, BH4-E, BH4-E, BH4-F, BH4-G, BH4-H, BH4-G, BH4-H	Test pit (excavator)	Delineate BH4 findings
Lot A, access road (east)	STP44, STP49	Test pit (excavator)	Targeting AEI1, AEI3; historic structure
Lot A, access road near Storage Compound	STP40, STP41	Test pit (excavator)	Targeting AEI2, AEI3; fill encountered by JKE (2023)
Lot A, access road (remainder)	STP35, STP36, STP37, STP43,	Test pit (excavator)	Targeting AEI2, AEI3; fill encountered by JKE (2023)
	STP32, STP33	Test pit (excavator)	General Site area across Lot A, targeting AEI2, AEI3
	SS02	Surface sample	Targeting spillage from split hose
Lot A, south eastern portion of Site, adjacent to Dam A and SP3	STP42	Test pit (excavator)	Targeting AEI1, AEI2, AEI3; Storage Compound
	SHA48	Hand auger	Targeting AEI2, AEI3; Fill encountered by JKE (2023)
	T-A, T-B, T-C	Surface sample	Targeting the three tanks located to the east of the compound
	HA-C	Hand auger sample	Targeting area with burned materials
	HA-A, HA-B	Hand auger sample	Targeting inside compounds

Site Area	Sampling Location	Methodology	Comments
Lot A, SP1	SP1-B	Stockpile sample	Targeting stockpile SP1
	SP1-A, SP1-C	Stockpile sample – observation only	Targeting stockpile SP1
Lot A, SP3 (Dam A Bund wall)	STP45, STP46, STP47	Test pit (excavator)	Targeting AEI2, AEI3; fill encountered by JKE (2023)
	ACM-01	Surface grab sample (asbestos fragment)	Targeting visual observation
	SSW01	Surface water sample	Targeting AEI4; Dam A
	SSED01, SSED02	Sediment sample	Targeting AEI4; Dam A
Lot A Dam B area	SHA16	Hand auger	Targeting AEI4; Dam B
	SSW02	Surface water sample	Targeting AEI4; Dam B
Lot A, greenhouse/crop area	SHA29, SHA31, SHA03, SHA04, SHA05, SHA06, SHA07, SHA08, SHA09, SHA10, SHA11, SHA12, SHA13, SHA14	Hand auger	Targeting AEI1, AEI3; greenhouses
	SHA28, SHA30	Hand auger	General Site area across Lot A, targeting AEI3
	HA-H, HA-I, HA-J	Hand auger sample	Targeting drainage creek in front of the greenhouses
	HA-L, HA-O, HA-Q	Hand auger sample	Targeting the back of greenhouses
	HA-K, HA-M, HA-N, HA-P, HA-R, HA-T, HA-U, HA-V, HA-W	Hand auger sample	Targeting the greenhouses footprint
Lot A, eastern portion (behind greenhouses)	SHA15	Hand auger	Targeting AEI1, AEI3; behind/adjacent to greenhouses
Groundwater	SMW01, SMW02, SMW03	Groundwater wells	Targeting groundwater

6.2.2 Soil Sampling Procedure

The following procedure was adopted for soil sampling:

- BYDA plans were reviewed prior to breaking ground at each proposed test pit location
- An accredited service locator carried out services clearance at each proposed investigation location
- For test pits the excavator stripped a section of turf and placed this to the side of proposed test pit (in grassed areas)
- Excavated spoil was placed adjacent to the pit (opposite side of pit to turf) in order of excavation (e.g. top material furthest away from pit)
- A visual assessment was made of encountered soil material for the potential presence of contamination indicators such as staining, odours, buried wastes or suspected ACM contamination.
- Prior to sample collection, any personnel that handled decontaminated soil sampling equipment that directly contacted the environmental media sampled washed their hands with soap and rinsed thoroughly with tap water before donning a clean, new pair of disposable nitrile gloves. A new pair of nitrile gloves was worn for each sample.
- Samples from test pits were collected from spoil which has not come into contact with the excavator bucket
- Samples were generally collected within fill at the surface (0-0.1m), 0.5m and approximately 1m thereafter based on the depth of the investigation location. Depths were adjusted to target specific layers (such as changes in stratigraphy, suspect layer/material or zones with visual/olfactory evidence of contamination).
- Each soil sample was collected within correct appropriate laboratory-supplied containers and placed immediately on ice, with acid sulfate samples being frozen within 24 hours of sampling. Each soil sample for contamination testing was collected within clean laboratory-supplied 250 ml containers (glass jars with Teflon lined lids). Samples (50g) will also be collected in plastic zip lock bags for asbestos ID analysis.
- Samples for acid sulfate soils were collected by wrapping sample in plastic and squashing with hand pressure before placing into a zip lock bag with the air expelled before sealing.
- All soil samples were collected in duplicate into a separate zip lock bag and field-screened using a PID. The PID was calibrated in accordance with manufacturer instructions and included regular calibration checks as required. Calibration certificates/records are attached in Appendix E.
- A new pair of nitrile gloves was worn during the collection of each sample and during logging.
- Surface samples were collected using a decontaminated stainless steel trowel with a new pair of nitrile gloves directly from the ground surface.
- As far as practicable, excavated spoil was backfilled in reverse order (e.g. deepest material backfilled first) with test pits tamped with the excavator bucket. Some settlement can occur and should be noted.
- Soils were logged using the Unified Soil Classification System (USCS) in general accordance with SMEC Standard Operating Procedures (SOPs).

6.2.3 Asbestos Gravimetric Method

Gravimetric sampling for asbestos was carried out at test pit locations within high-risk AEIs where asbestos is a CoPC. Soil samples were collected as per Section 4.10 of ASC NEPM 1999 Schedule B2 of WA DoH (2009) guidelines hereafter referred to as the ‘gravimetric method’ to supplement other observations made at the Site.

The following procedure was adopted:

- A 10-litre soil sample was collected from each distinct fill layer (or per 1m depth). Suspect asbestos material or construction debris was targeted if present
- The 10-litre sample was then weighed in the field (recorded as field ‘wet weight’) using commercially available scales, the field weight was recorded clearly on field notes

- The sample was then sieved through a 7mm sieve. Any visible ACM fragments (>7mm) (retained in the sieve) were collected, placed in a zip locked bag, photographed and the condition and dimensions of each fragment was recorded. Careful visual observations of the sieved soil material on the plastic was made. Where the soil type was not amenable to sieving (e.g. clayey soil), this material was spread out onto a contrasting piece of plastic to check for and pick out ACM fragments >7mmx7mm
- Any suspected ACM fragments were then collected into a zip lock bag and observations recorded of the ACM condition:
  - Good condition = suspected ACM in sound condition where the asbestos is bound in a matrix (although possibly broken or fragmented) and would be unlikely to pass through a 7mm x 7mm sieve
  - Poor condition = ACM in a degraded condition such that it can be broken or crumbled by hand pressure
- The samples were submitted to the laboratory for weighing and asbestos presence/absence testing
- The weight of asbestos within the ACM was estimated and reported by the laboratory in general accordance with Australian Standard AS4964
- At each soil sampling location, a 500ml sub sample of soil was collected from the spoil which was considered to be representative of the sieved material (not from the sieved material)
- Where suspected ACM was retained in the sieve an additional 500ml sample was collected from representative spoil and submitted to the laboratory for moisture content analysis. This was used to estimate the dry weight of soil within the 10L sample
- The concentration of asbestos in soil for bonded ACM was calculated using the principals of the formula in the WA DoH (2009) Guidelines as per the following equation:
  - $Asbestos\ in\ soil\ (\%\ w/w) = \frac{Asbestos\ content\ (\%) \times Bonded\ ACM\ weight(g)}{Soil\ Volume\ (L)\ x\ Soil\ Dry\ Density\ (g/L)}$
- The asbestos content of ACM was assumed to be 15%, unless the material was of a different nature, in which case asbestos content estimation was requested from the laboratory on selected samples
- The soil weight in the 10L sample which forms the denominator in the above equation (soil volume x soil dry density) was calculated from the field wet weight and the soil moisture content.

6.2.4 Sediment Sampling Procedure

The following procedure was adopted for sediment sampling:

- A visual assessment was made of encountered sediment material for the potential presence of contamination indicators such as staining, odours, buried wastes or suspected ACM contamination
- Prior to sample collection, any personnel that handled decontaminated soil sampling equipment that directly contacted the environmental media sampled washed their hands with soap and rinsed thoroughly with tap water before donning a clean, new pair of disposable nitrile gloves. A new pair of nitrile gloves was worn for each sample
- Samples were collected at the surface (0-0.1m)
- Each sediment sample was collected within correct appropriate laboratory-supplied containers and placed immediately on ice, with acid sulfate samples being frozen within 24 hours of sampling. Each soil sample for contamination testing was collected within clean laboratory-supplied 250 ml containers (glass jars with Teflon lined lids). Samples (50g) were collected in plastic zip lock bags for asbestos ID analysis
- Samples for acid sulfate were collected by wrapping sample in plastic and squashing with hand pressure before placing into a zip lock bag with the air expelled before sealing
- All sediment samples were collected in duplicate into a separate zip lock bag and field-screened using a PID. The PID was calibrated in accordance with manufacturer instructions and included regular calibration checks as required. Calibration certificates/records are attached in Appendix E
- Surface samples were collected using direct grab sampling methods directly from the ground surface

- Sediments were logged using the Unified Soil Classification System (USCS) in general accordance with SMEC Standard Operating Procedures (SOPs).

6.2.5 Surface Water Sampling Procedure

Sampling protocols were carried out in accordance with industry standard quality assurance and quality control program. Surface water sampling procedure is summarized below:

- Samples were collected by trained and experienced environmental field personnel
- Samples collected and stored in appropriately persevered clean laboratory supplied bottles
- Sample bottles were labelled with date, time and location ID and placed in ice-chilled eskies
- Surface water samples were collected using direct grab sampling techniques, with care to avoid artificial disturbance to water quality (i.e. minimising disturbance to dam/waste water pond bed sediments). Surface water samples analysed for heavy metals were not field filtered, thus represented 'total metals' concentrations.

6.2.6 Groundwater Well Installation and Sampling Procedure

6.2.6.1 Groundwater Monitoring Well Installation

Three groundwater monitoring wells were installed at the Site. The monitoring wells were installed using the following method:

- The 3 new wells were installed at the locations presented on Figure 3, Appendix A
- All wells were completed in general accordance with the relevant sections of NUDLC (2020) The Minimum Construction Requirements for Water Bores in Australia 3rd Ed.
- Monitoring wells were installed using a 100mm solid flight rotary auger to the 2m past the observed standing water table or a maximum depth of 10m bgl (whichever occurred first).
- The wells were generally completed as follows (borehole completion logs are presented in Appendix F:
  - 50mm machine slotted class 18 u-PVC screen was installed from the base of the well to around 1m above the top of the inferred standing water table. Unslotted class 18 u-PVC casing will then be used to just below ground level
  - The base was fitted with an end cap
  - A filter pack comprising clean sand was backfilled around the annulus of the borehole to about 0.3m above the top of the screen
  - A bentonite seal of about 1m was then be installed above the filter media
  - Cement/bentonite grout was used to fill the well annulus to about 1m below ground surface, followed by another bentonite seal above which concrete was used and a steel trafficable cover used at the ground surface
  - The top of each well was capped with a torque plug
- Each well was developed following installation using a dedicated bailer or decontaminated stainless steel bailer
- A surging action was used to promote groundwater movement followed by removal of a minimum of 3 to 5 well volumes from each until water clarity improves well or until dry, whichever occurred first
- All reusable sampling equipment (e.g. interface probe) was subjected to decontamination as described within Section 9.1.2.

6.2.6.2 Groundwater Sampling

Groundwater monitoring was undertaken at the three newly installed groundwater wells (presented on Figure 3, Appendix A). Groundwater sampling was carried out using the following method:

- An interface probe was used to gauge the depth of standing water level, total well depth and checked for the presence of light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) (if present).
- Groundwater samples was collected using low flow sampling techniques in accordance with Victoria EPA (2000) Groundwater Sampling Guidelines. A carbon dioxide cylinder, regulator pump, and micropurge unit was used to sample the wells. To minimise cross contamination, dedicated low-density polyethylene (LDPE) tubing and bladder was used for each location and reusable components (i.e. micro purge unit) was decontaminated in between monitoring locations. The sample tube inlet was placed in approximately the middle or slightly above the middle of the well screened interval
- Purging began, typically at a rate of 0.1 to 0.5 L/min. As purging rates increased, a water level meter was used during purging to confirm minimal drawdown of the standing water level (typically less than 100mm). Purging of a minimum of one equipment volume (about 1 litre) was carried out
- Following purging of the first equipment volume, a calibrated water quality meter was used to take frequent measurements of field water quality parameters through a flow cell, including pH, EC, temperature, redox and dissolved oxygen. Purging continued until parameters stabilised. Parameters were considered stable when three consecutive readings (obtained about 3 minutes apart) are within:
  - 10% for dissolved oxygen and turbidity
  - 3% for electrical conductivity
  - +/- 0.1 for pH
  - +/- 10 mV for redox potential
- Following stabilisation, representative groundwater samples were collected into laboratory supplied containers for analysis using the same or lower flow rate.

6.3 Quality Assurance and Quality Control Plan

6.4 Soil sample containers and preservation requirements

Soil sample container and preservation requirements are described in Table 6-3.

Table 6-3 Soil sampling requirements.

Parameter	Container	Sample Volume	Preservation	Holding Time
TRH and BTEX	Glass jar with Teflon lined lid	250mL	Cool to <6°C	14 days
Metals				180 days
PAH				14 days
OCP, OPP				14 days
PCB				14 days
Acid Herbicides				14 days
Synthetic Pyrethroids				14 days
Total Phosphorus				180 days
Total Nitrogen				14 days
Total Coliforms				48 hours
PFAS	Plastic Jar	150mL		28 days
Acid Sulfate Soils	Zip-lock Bag	750mL	Freeze	24 hours
Asbestos (%w/w)	Zip-lock bag	500mL	Nil	Indefinite

Table 6-4 Water sampling requirements.

Parameter	Container	Sample Volume	Preservation	Holding Time
Metals	Plastic bottle	60mL	Cool to <6°C HNO3, preservative (field filtered for groundwater)	180 days
TRH and BTEX	Glass vial	3x 40mL	Cool to <6°C, HCL preservative	7 days
PAH	Amber glass bottle	500ml	Cool to <6°C	7 days
Nutrients (total N, TKN, NO_x, NO_2, NO_3, NH_3)	Plastic bottle	60mL	Cool to <6°C, H2SO4 preservative	2 days (NO2 only) 28 days
OCP, OPP	Plastic bottle	60mL	Cool to <6°C, H2SO4 preservative	7 days
PFAS	HDPE Plastic Bottle	250mL	Cool to <6°C	28 days

6.5 PFAS Protocols

The following additional protocols were adopted for all fieldwork due to soil and groundwater samples requiring analysis for PFAS:

- Prior to sampling, the sampling personnel washed their hands with plain soap and rinsed thoroughly in tap water before donning a clean, new pair of disposable nitrile gloves
- All monitoring well gear was new, unused with original seals and original undamaged wrapping.
- Field clothes – were not new (i.e. had been washed minimum of six times)
- No stain resistant, water resistant/waterproof coatings or treated fabric were used
- No Teflon products were used
- No fast food wrappers, pre-wrapped foods (only rigid plastic or stainless-steel containers) were permitted onsite
- No aluminium foil were permitted to be used
- No ‘post it’ notes were permitted to be used
- No reusable chemical ice packs were permitted to be used.

6.6 Field and Laboratory Testing Schedule

Samples for contamination testing were submitted to the following laboratories for testing for the nominated potential contaminants of concern:

- Primary samples: Eurofins Services (179 Magowar Road, Girraween, NSW 2145)
- Secondary samples: ALS Environmental (277-289 Woodpark Road, Smithfield NSW 2164)

Both laboratories are accredited by the National Association of Testing Authorities Australia (NATA) for the tests to be performed. A summary of testing quantities is provided in Table 6-5 and Table 6-6.

Table 6-5 Field and laboratory testing schedule – Fieldwork Mobilisation 1.

Parameter	Primary Samples	Matrix	Comment
Lead (only)	56	Soil	Targeting AEI1
Zinc (only)	7	Soil	Targeting AEI1
Total coliforms	2	Soil	Targeting AEI5
Acid herbicides	127	Soil	Targeting AEI3
Acid Sulfate Soils	20	Soil	Targeting AEI4
OCPs, OPPs, PCBs	129	Soil	Targeting AEI3
TRH, VOC, PAH, metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	73	Soil	Targeting AEI2
PFAS	10	Soil	Targeting AEI3
Total nitrogen and total phosphorus	6	Soil	Targeting AEI3
Asbestos – WA guidelines	12	Soil	Targeting AEI1, AEI2
Asbestos Identification	3	ACM fragment	Targeting AEI1, AEI2
TRH silica gel clean up	3	Soil	-
OCPs and OPPs, PCBs, TRH, VOC, PAH, metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg), total nitrogen (TN) and total phosphorus (TP), PFAS	2	Surface water	Targeting AEI4
Conductivity, TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg), OCP, OPP, PCBs, TN, TP, PFAS	2	Sediment	Targeting AEI4
TRH, VOC, PAH, metals filtered (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg), OCPs and OPPs, PCBs, TN, TP, PFAS	2	Groundwater	Targeting groundwater

Table 6-6 Field and laboratory testing schedule – Fieldwork Mobilisation 2.

Parameter	Primary Samples	Matrix	Comment
Copper (only)	5	Soil	Step-out targeting copper exceedances from previous sampling
Zinc (only)	25	Soil	Step-out targeting zinc exceedances from previous sampling
TRH (silica gel cleanup)	13	Soil	Targeting “new” stockpile observed onsite (SP1)
Benzo(a)pyrene	14	Soil	Step-out targeting benzo(a)pyrene exceedances from previous sampling
Acid herbicides	21	Soil	Target tanks east of the compound and greenhouse footprint area
Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	16	Soil	Targeting greenhouse footprint area
TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	15	Soil	Targeting “new” stockpile observed onsite (SP1) and area around residential property
OCP, OPP	19	Soil	Target tanks east of the compound and greenhouse footprint area
OCP, OPP, PCB	15	Soil	Targeting “new” stockpile observed onsite (SP1) and area around residential property
Asbestos – WA guidelines	19	Soil	Step-out targeting asbestos exceedances from previous sampling
Asbestos Identification	2	Soil	Step-out targeting asbestos exceedances from previous sampling

7. Assessment Criteria

Evaluation against assessment criteria is used to identify levels of contamination that may pose ecological or health risks to potential receptors or future users of the Site.

The National Environment Protection (Assessment of Site Contamination) Measure (NEPM) was first published in 1999 and updated in 2013 by the National Environment Protection Council (NEPC) and provides national standards for a variety of environmental issues, including the assessment of Site contamination in Schedule B (1) *Guideline on Investigation Levels for Soil and Groundwater*.

The NEPM requires consideration be given to Health-based Investigation Levels (HIL), Health-based Screening Levels (HSL), Ecological Investigation Levels (EIL), Ecological Screening Levels (ESL), asbestos criteria and aesthetic issues. The following outlines the rationale for the selection of the appropriate levels for the assessment.

7.1 Soil

7.1.1 Health Investigation Levels (HILs) and Health Screening Levels (HSLs)

Health investigation levels (HILs) are scientifically based, generic assessment criteria designed to be used in the first stage (Tier 1 or 'screening') of an assessment of potential risks to human health from chronic exposure to contaminants. They are intentionally conservative and are based on a reasonable worst-case scenario for four generic land use settings.

SMEC has adopted the following criteria for this assessment:

- HIL C 'public open space' as the NEPM describes this criteria as being applicable to secondary schools
- HIL A/B 'low to high density residential' has been adopted for secondary school buildings for the purpose of evaluating risks from vapour intrusion
- HILs relevant for PFAS for the proposed land use (i.e. HIL C) has been adopted from the PFAS NEMP (2020) Table 2 HIL for Soil.

Health Screening Levels (HSLs) for petroleum hydrocarbons are available from ASC NEPM (2013) and CRC Care (Friebel E and Nadebaum P, 2010). These references provide HSLs for vapour intrusion for soil at various depth ranges. CRC Care also provides HSLs for direct contact and for vapour intrusion for intrusive maintenance worker (shallow trench). For initial assessment, we will conservatively assume a soil type of 'sand' and coarse-grained soils for application of relevant criteria.

CRC Care also provides HSLs for direct contact, soil results will be compared to health screening levels for direct contact for a HSL-C (recreational/open space) setting.

7.1.1.1 Carcinogenic BaP

The Canadian Environmental Quality Guidelines (CCME 2010) have been adopted for the consideration of the carcinogenic effects of PAHs. Carcinogenic PAHs include benzo(a)anthracene, benzo(a)pyrene, benzo(b+j+k)fluoranthene, benzo(g,h,i)perylemen, chrysene, dibenz(a,h)anthracene, ideno(1,2,3-c,d)pyrene). The BaP Total Potency Equivalents (TPE) is calculated to ensure that humans are protected from direct contact with contaminated soil, using the following formula:

$$BaP\ TPE = \sum_{i=1}^{n} (C_i x PEF_I)$$

Where,

BaP TPE = concentration of the carcinogenic-PAH mixture, expressed as a total potency equivalent of BaP

n = number of carcinogenic PAHs (with an available PEF value)

C_i = concentration of carcinogenic-PAH compound *i*

PEF_i = potency equivalence factor for the carcinogenic-PAH compound *i* (unitless)

The BaP TPE was then compared to the direct contact human health guidelines (based on an incremental lifetime cancer risk of 1 in 10^{-5}) (5.3 mg/kg).

7.1.2 Ecological screening and investigation levels (EILs/ESLs)

EILs and ESLs have been developed for selected metals and organic substances and for selected petroleum hydrocarbon compounds and total petroleum hydrocarbon fractions respectively. EILs and ESL are applicable for assessing risks to terrestrial ecosystems and generally apply to the top 2m of soil only (which corresponds to the root zone and habitation zone of many species). EILs and ESLs have been developed for three land use settings (areas of ecological significance, urban residential and public open space and commercial/industrial land use), for this assessment, we will adopt the urban residential and public open space criteria.

The following ecological soil assessment criteria will be used for the proposed soil assessment:

- NEPM (2013) Table 1B (1) to 1B (5) Ecological investigation levels (EILs) – Urban residential and public open space – Generic EILS
- NEPM (2013) Table 1B (1) to 1B (5) Ecological investigation levels (EILs) – Urban residential and public open space – Site-specific EILs
- NEPM (2013) Table 1B (6) Ecological screening levels (ESLs) – Urban residential and public open space
- PFAS NEMP (2020) Table 3 Ecological guideline values for soils – Ecological direct exposure and indirect exposure.

For assessment against EILs, soil analytical results are compared with the NEPM (2013) Generic EILs to assess potential risks to current and future ecological receptors at the site for selected analytes (arsenic, dichlorodiphenyltrichloroethane (DDT), lead, and naphthalene). For other analytes (including copper, chromium, nickel and zinc) the EIL values rely on site-specific inputs and calculations.

Site-specific EIL input values were calculated by incorporating the average values of soil physiochemical parameters (pH, cation exchange capacity (CEC), clay content and total organic content (TOC)) from selected soil samples that were considered to be indicative of the general Site soil conditions. The Site-specific EIL physiochemical parameter values are summarised in Table 7-1.

Table 7-1 Physiochemical parameters to calculate Site-specific EILs.

Sample Name	pH	Cation Exchange Capacity (CEC) (meq/100g)	Total Organic Carbon (TOC) (%)
STP01/0.5 – EIL - 02	-	16	0.7
STP13/0.1 – EIL - 04	-	14	0.7
SHA02/0.1	6.3	-	-
SHA15/0.1	5.5	-	-
STP01/0.1 / QA07 / QA07A	6.3	-	-
STP06/0.1 / QA08 / QA08A	6.0	-	-
STP19/0.1	6.3	-	-
Average	5.9	15	0.7

EILs apply principally to contaminants within the top 2m of soil at the finished surface/ground level, which corresponds to the root zone and habitation zone of many species. In general, the toxicity of soil contaminants (both organic and inorganic) will reduce or age over time to a lower and more stable level by binding to various soil components and decreasing their biological availability. For the purposes of site specific EIL derivation, a contaminant incorporated in soil for at least 2 years is considered to be 'aged', based on the preliminary conceptual site model, it is considered that the use of site specific EIL criteria applying to 'aged' contamination is most appropriate for this Site.

Site-specific EIL criteria were derived by putting the average values from Table 7-1 into the NEMP (2013) ASX toolbox. Ambient background concentrations (ABC) were obtained from analytical data from background residual natural shallow Site soils (i.e. representative sample STP14/0.1). The calculated criteria are presented in Table 7-2 below.

Table 7-2 Calculated Site-specific EIL criteria.

Criteria	Copper	Nickel	Zinc
	mg/kg	*mg/kg*	*mg/kg*
Added Contaminant Limit (ACL)	140	220	450
Ambient Background Concentration (ABC)	41	14	65
Site-Specific EILs (urban residential and public open space)	181	234	515

7.1.3 Asbestos Criteria

The adopted Site screening level in accordance with NEPM (2013) includes no visible asbestos for surface soil. The adopted assessment criteria for this Site is to be NEPM (2013) HIL C 'public open space' for areas where gravimetric sampling is carried out:

- Bonded ACM: 0.02% w/w
- Asbestos fines and friable asbestos: 0.001%w/w
- No asbestos at the ground surface.

Where suspected asbestos fragments are observed, a representative sample will be collected. Once the sample is double bagged, the environmental scientist will make observations with respect to the samples condition, as follows:

- Good condition = suspected ACM in sound condition where the asbestos is bound in a matrix (although possibly broken or fragmented) and would be unlikely to pass through a 7mm x 7mm sieve
- Poor condition = ACM in a degraded condition such that it can be broken or crumbled by hand pressure.

7.1.4 Aesthetic Criteria

Soils shall not be discoloured or affected by odours or inclusions, such as demolition rubble, litter, or domestic waste, to an extent that this would be considered a hazard or nuisance.

7.1.5 Urea Criteria

Due to laboratory capability limitations Urea could not be directly analysed. Samples were indirectly screened for urea by analysing carbamates and the limit of detection was adopted as criteria.

7.1.6 Faecal Coliforms, E. coli

The adopted site screening level for faecal Coliforms, E. coli has been adopted from the Use and Disposal of Biosolids Products (1997), Table 3-5, Stabilisation Grade A Microbiological Standards (NSW EPA 2000):

- E. Coli – 100 MPN/g
- Faecal Coliforms – 1000 MPN/g.

7.1.7 Waste Classification Criteria

Results were compared to waste classification criteria in NSW EPA (2014) Waste Classification Guidelines, Part 1: Classifying Waste to gain a preliminary understanding of potential waste classification for future construction work.

7.2 Sediment criteria

We have assumed that existing sediment is likely to be disturbed and cleaned out from ponds as part of the development works and therefore will not remain and act as sediment. Samples of sediment for this assessment were therefore compared against health and ecological criteria in the event they were to be reused elsewhere on the Site.

7.3 Acid Sulfate Soil Identification

The National Acid Sulfate Soils Guidance Manual 2018 lists indicators for potential acid sulfate soils (ASS). These include:

- A soil $pH_f > 4$ and commonly neutral
- A soil $pH_{FOX} < 3$, with large unit change from pH_F to pH_{FOX}, together with volcanic reactivity to peroxide.
- Waterlogged soils
- Peat or peaty soils
- Coffee rock horizons
- A sulfurous or 'rotten egg' odour.

Soils were assessed during sampling and by submission to a NATA accredited laboratory for pH field screen testing to determine the potential for acid sulfate soils. Samples that exhibit acid sulfate soil identifiers, based on field pH testing (pHf and pH_{FOX}) and soil characteristics, were further chemically analysed to determine net acidity and confirm the presence of ASS.

7.4 Salinity

Soils were assessed for salinity using the Department of Land and Water Conservation 2002 electrical conductivity of water values to determine salinity class. Refer to Table 7-3 for further detail.

Table 7-3 Ece Values of Soil Salinity Classes

Class	Electrical Conductivity Extract (dS/cm)	Comments
Non – saline	<2	Salinity effects mostly negligible
Slightly saline	2-4	Yields of very sensitive crops may be affected
Moderately saline	4-8	Yields of many crops affected
Very saline	8-16	Only tolerant crops yield satisfactorily
Highly saline	>16	Only a few very tolerant crops yield satisfactorily

7.5 Groundwater and Surface Water

7.5.1 General

NSW EPA (2007) Guidelines for the Assessment and Management of Groundwater Contamination indicate that legislation and published policies in NSW articulate key principles for assessing and managing groundwater contamination. These include the principles of ecologically sustainable development, which require the effective integration of economic, social and environmental considerations in decision-making.

Based on the conceptual site model, values requiring protection with respect to groundwater are considered to be human health (vapour intrusion and direct contact) and downgradient ecological receptors (marine ecosystems). While the ultimate receiving water bodies are marine ecosystems, the most immediate receiving environment is considered to be freshwater.

SMEC considers that groundwater beneficial users are unlikely considering the following:

- The depth at which groundwater was encountered exceeded 5 m bgl
- Registered groundwater bores within 1km are not for drinking water purposes; identified nearby bores were for exploration purposes
- No recreational water bodies exist in a relevant proximity to the Site
- Saline nature of the groundwater.

Comparison of water samples analytical results to drinking water criteria is therefore omitted from this assessment.

7.5.2 Health Criteria – Vapour Intrusion

Health Screening Levels (HSLs) for petroleum hydrocarbons are available from ASC NEPM (NEPC 2013) and CRC Care, Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater (Friebel E and Nadebaum P 2010).

These references provide HSLs for groundwater at various depth ranges but assume groundwater to be greater than 2m below ground level consistent with observed groundwater encountered on Site.

For contaminants such as volatile halogenated compounds where published Tier 1 screening levels are not available for Australian conditions, the laboratory limit of reporting have been used as an initial screening criteria.

7.5.3 General Ecological Criteria

The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, August 2018), default guideline values (DGVs) were adopted for the Site as preliminary (i.e. Tier 1) assessment criteria, that is, levels above which further assessment may be required. The following was considered for this Site:

- Default Guideline Values for toxicants applying to 'freshwater' aquatic ecosystems were considered most applicable for the Site and potential onsite receptors (e.g. landscapes and natural drainage lines onsite)
- Based on the semi-rural setting of the site and that the receiving system has been slightly to moderately modified by past agricultural activities including widespread use of pesticides, the 95% level of species protection applying to slightly to moderately disturbed ecosystems systems is considered applicable for conservative initial screening. Furthermore, where toxicants are noted to be potentially bio-accumulative, the trigger value for the next level of protection (i.e. 99%) were adopted.
- The ANZG (2018) have not yet published default guideline values for Physical and Chemical Stressors for all Australian inland waters and bioregions (http://waterquality.gov.au/anz-guidelines/your-location/australia-inland). Therefore, this assessment adopts the previous ANZECC & ARMCANZ (2000) Default trigger values for physical and chemical stressors for south-east Australia for slightly disturbed marine ecosystems (applying to estuaries).
- ANZG (2018) ECC & ARMCANZ (2000) have not published guidelines for total petroleum hydrocarbons or total recoverable hydrocarbons in groundwater. For this assessment, the laboratory limits of reporting will be adopted as initial screening criteria.

7.5.4 Ecological Criteria – PFAS

The PFAS National Environmental Management Plan (Version 2.0 – January 2020) was published by the Heads of EPAs Australia and New Zealand. The scope of the NEMP includes a framework to manage the prioritisation of sites, environmental guideline values, contaminated site assessment, and proposed remedial, management and other treatment measures. In accordance with the NEMP, environmental guideline values have been adopted for this Site as PFAS preliminary contamination assessment criteria.

As PFAS is a contaminant of potential concern, the adopted assessment criteria were sourced from the PFAS NEMP (2020) to adhere to the precautionary principal (refer to Table 7-4 for further details):

- Table 5 Ecological water quality guideline values developed by health regulators – SMEC consider that the 95% criteria for species protection within a slightly to moderately disturbed system is considered appropriate for the receiving environment.

Table 7-4 Ecological guideline values for water, PFAS NEMP (2020).

Criteria	PFOS	PFOA
95% species protection – slightly to moderately disturbed system	0.13 µg/L	220 µg/L

7.5.5 Surface water Criteria

Surface water criteria was selected using the Guidelines for Risk in Recreational Water NHMRC 2008. The calculation based on Mance et al. (1984) suggestions that recreational water makes a minor contribution to intake, equivalent to 10% of drinking water consumption. This assumes an ingestion of 0.2 L of recreational water per day based on assumed consumption of 2 L of drinking water per day according to the World Health Organisation (WHO). Therefore a recreational water guideline value can be calculated by multiplying the Australian Drinking Water Guideline (ADWG) value by 10. This calculated value assumes a daily lifetime exposure and therefore is conservative.

8. Field and Laboratory Results

The following sections discuss the field and laboratory results from the fieldwork completed by SMEC as part of the DSI. Tabulated analytical results for soil analysis are summarised in Table H1, Appendix H. The laboratory analysis reports are included in Appendix I. Exceedances of adopted assessment criteria are described in the sections below and are presented on Figure 4A, Figure 4B and Figure 4C, Appendix A.

8.1 Subsurface Conditions

Test pit, borehole and hand auger logs are presented in Appendix F. Photographs of typical soil profiles and examples of the soil material observed during sampling are included in Appendix D.

The generalised subsurface conditions encountered at the sampling locations during Field Mobilisation 1 are summarised in Table 8-1. The subsurface conditions encountered during Field Mobilisation 2 generally aligned with those observed in Field Mobilisation 1, with details included in Appendix F.

Observed groundwater levels are summarised in Section 8.3.1

Table 8-1 Typical subsurface conditions observed at test pit and hand auger locations.

Unit	Typical Description	Depth range to top of unit (m bgl)	Indicative thickness (m)	Location and Photo Reference (Appendix D)
Topsoil	*Clayey Silt/Silt, inclusions of rootlets Anthropogenic inclusions at SHA31*	~0.0	~0.3-0.5	STP21, SHA28, SHA29, SHA30, SHA31 (Refer to Image 54)
Fill	*Sandy Silt, trace clay and gravels, brown, anthropogenic inclusions (5% - 15%) STP12 Gravelly sand, pale yellow-brown fine to coarse gained. Anthropogenic inclusions STP42 Silt, black-brown, trace gravel inclusion of trace black ash*	~0.0	~0.1-0.5	STP07-STP08, STP10-STP12, STP32, STP34-STP43, SHA16 (Refer to Image 45, 46, 48, 51, 52, 53, 57 to 62)
	Sandy Silt, trace clay and gravels, brown, anthropogenic inclusions	~0.0-0.1	~0.7-1.4	STP45-STP47 (Refer to Image 59)
	ACM fragment sampled within STP45, STP47, STP10, STP12	-	-	STP45, STP47, STP10, STP12 (Refer to Image 49, 50,
Reworked natural	Clay, red-pale orange/Clayey Silt, brown, low – medium plasticity, trace gravels	~0.0-0.5	~0.3	STP12, SHA03-SHA14, STP22, SHA16, SHA48 (Refer to Image 55, 56, 63)
Residual	General residual soil layers: *Silt, brown into Clay, mottled red-grey, medium plasticity* *Trace black organic material at STP14-STP15*	~0.0-0.5	~0.2-0.9	SHA28-SHA31, STP01-STP21-STP27, STP32-STP47, STP49, SHA01-SHA15, SHA48 (Refer to Image 41 to 43, 64)
Weathered material	Mudstone/Claystone, mottled red-grey, weathered	~0.8-1.0	~0.1	STP03, STP10, STP16, STP17, STP34 (Refer to Image 44)

8.1.1 Staining and odours

A weak fertilizer odour was noted during sampling at SHA14 test location and a moderate septic odour was noted at SWM03 groundwater location. At all other DSI test locations, unusual staining or odours were not noted during sampling.

8.1.2 Field Soil Screening for VOCs

PID field screening results ranged between 1.2 parts per million (ppm) to 55.6ppm these results generally indicate a low potential for volatile contamination within the sampled layers. PID readings are provided in Appendix G.

8.1.3 Acid Sulfate Soil Indicators

Soil characteristics associated with ASS (refer to Section 7.3) were not identified during sampling with subsequent pH field testing excluding the need for further chemical analysis for net acidity.

8.2 Soils

8.2.1 Health Criteria

In general, sampled soil material recorded concentrations below adopted human health assessment criteria, with the exception of the asbestos and BaP in samples detailed below.

8.2.1.1 Asbestos

Locations where asbestos was detected analytically or visually observed are presented in Table 8-2. The table includes details of where step-out testing was undertaken as part of Field Mobilisation 2, to delineate the extent of asbestos across the Site.

Table 8-2 Health criteria exceedances (asbestos).

Site Area	Initial Sample Location[1]	Exceedance	Step-out Location[2]	Analytical Result	Visual Observation
Lot A, SP3 (Dam A bund wall)	ACM-01 (adjacent to STP45)	Surface ACM fragment within SP3	STP45/0.5	Non-Detect	ACM fragments not observed
			STP45-A	Non-Detect	ACM fragments not observed
			STP45-B	-	ACM fragments not observed
			STP45-C	-	Visual observations of ACM fragments
			STP45-D	-	ACM fragments not observed
			STP45-E	Non-Detect	ACM fragments not observed
Lot B, driveway	ACM-02 (adjacent to STP12)	Surface ACM fragment	ACM02/0.3	-	ACM fragments not observed
			ACM02-A	-	ACM fragments not observed
			ACM02-B	-	ACM fragments not observed
			ACM02-C	-	ACM fragments not observed
Lot B, central northern portion	STP10/0.1	ACM fragment Above the adopted criteria for bonded ACM in soil 0.02% w/w with a concentration of 0.195% w/w	STP10/0.3	-	ACM fragments not observed
			STP10-A	-	ACM fragments not observed
			STP10-B	-	Visual observations of ACM fragments
			STP10-C	-	ACM fragments not observed
			STP10-D	-	Visual observations of ACM fragments
			STP10-E	Non-Detect	ACM fragments not observed
			STP10-F	-	Visual observations of ACM fragments
			STP10-G	Non-Detect	ACM fragments not observed
			STP10-H	-	Visual observations of ACM fragments
			STP10-I	-	Visual observations of ACM fragments
			STP10-J	-	Visual observations of ACM fragments
			STP10-K	-	ACM fragments not observed
			STP10-L	-	ACM fragments not observed
			STP10-M	-	Visual observations of ACM fragments
			STP10-N	-	Visual observations of ACM fragments
			STP10-O	-	ACM fragments not observed
			STP10-P	Non-Detect	ACM fragments not observed
Lot A, access road (east)	BH2 (0.0-0.1m) (JKE 2023b)	Above the adopted criteria for bonded ACM in soil 0.02% w/w with a concentration of 0.0214% w/w	BH2/0.3	Non-Detect	ACM fragments not observed
			BH2-A	Non-Detect	ACM fragments not observed
			BH2-B	-	ACM fragments not observed
			BH2-C	Non-Detect	ACM fragments not observed
			BH2-D	-	ACM fragments not observed
	FCF2 and FCF3	Surface ACM fragment	FCF2/3-0.2	Non-Detect	ACM fragments not observed
			FCF2/3-A	Non-Detect	ACM fragments not observed
			FCF2/3-B	Non-Detect	ACM fragments not observed
			FCF2/3-C	Non-Detect	ACM fragments not observed

Site Area	Initial Sample Location[1]	Exceedance	Step-out Location[2]	Analytical Result	Visual Observation
			FCF2/3-D	Non-Detect	ACM fragments not observed
Lot A, access road (west)	BH9 (0.0-0.1m) (JKE 2023b)	Below the adopted criteria for bonded ACM in soil 0.02% w/w with a concentration of 0.0015% w/w	BH9/0.5	Non-Detect	ACM fragments not observed
			BH9-A	Non-Detect	ACM fragments not observed
			BH9-B	Non-Detect	ACM fragments not observed
			BH9-C	Non-Detect	ACM fragments not observed
			BH9-D	Non-Detect	ACM fragments not observed
Lot A, access road (central, east)	N/A – Asbestos fragments observed while undertaking Field Mobilisation 2 test pits	-	BH4/0.5	Non-Detect	ACM fragments not observed
			BH4/0.3	-	Visual observations of ACM fragments
			BH4-A	-	ACM fragments not observed
			BH4-B	-	ACM fragments not observed
			BH4-C	-	ACM fragments not observed
			BH4-D	-	ACM fragments not observed
			BH4-E	-	ACM fragments not observed
			BH4-F	-	ACM fragments not observed
			BH4-G	-	ACM fragments not observed
			BH4-H	-	ACM fragments not observed

Table Notes:

1. Initial Sample Location = Location where exceedance of DSI criteria was detected in sampled material collected either from Fieldwork Mobilisation 1 or JK Environments (2023b) PSI sampling
2. Step-out Location = Analytic result of sampled material collected from Fieldwork Mobilisation 2 (i.e. additional 'step-out' samples collected to delineate the respective 'Initial Exceedance').

8.2.1.2 Carcinogenic-PAHs

Sample BH6 (0.0-0.1m) (JK Environments 2023b) recorded concentrations of BaP TEQ (3.4 mg/kg) above adopted HIL C criteria (3 mg/kg). For this sample, the CCME (2010) assessment criteria for carcinogenic BaP (to determine the carcinogenic effects of PAHs at the Site), has been applied.

The calculations of the BaP TPE value at BH6 (0.0-0.1m) is presented in Table 8-3.

Table 8-3 BaP TPE calculation.

Analyte	Concentration (mg/kg)	PEF value (CCME 2010)	SUM (mg/kg)
Benz(a)anthracene	1.6	0.1	0.16
Benzo(a)pyrene	2.4	1	2.4
Benzo(b,j+k)fluoranthene	3.4	0.1	0.34
Benzo(g,h,i)perylene	2.5	0.01	0.025
Chrysene	1.5	0.01	0.015
Dibenz(a,h)anthracene	0.3	1	0.3
Ideno(1,2,3-c,d)pyrene	1.3	0.1	0.13
		Sum (BaP TPE) =	3.37

The BaP TPE value (3.37mg/kg) is below the adopted CCME (2010) assessment criteria for residential/parkland land use (5.3 mg/kg).

8.2.2 Ecological Criteria

Table 8-4 presents locations where ecological criteria exceedances were identified in the analysed samples. The table includes details of where step-out testing was undertaken as part of Field Mobilisation 2, to delineate the extent of ecological exceedances across the Site.

Table 8-4 Ecological criteria exceedances.

Site Area	Initial Sample Location[1]	Exceedance	Step-out Location[2]	Analytical Result
Zinc EIL (515 mg/kg)				
Lot B, central northern portion	STP07/0.1	Zinc concentration of 990 mg/kg	STP07/0.3	75 mg/kg
			STP07-A	550 mg/kg (exceeds Site-specific EIL for zinc)
			STP07-B	290 mg/kg
			STP07-C	250 mg/kg
			STP07-D	680 mg/kg (exceeds Site-specific EIL for zinc)
			STP07-H	390 mg/kg
	STP08/0.1	Zinc concentration of 550 mg/kg	STP08/0.3	660 mg/kg (exceeds Site-specific EIL for zinc)
			STP08-A	320 mg/kg
			STP08-B	270 mg/kg
			STP08-C	300 mg/kg
			STP08-D	300 mg/kg
	STP10/0.1	Zinc concentration of 1500 mg/kg	-	*Step-out locations not undertaken for zinc – asbestos is the driving factor for this delineation*
	BH30 (0-0.1m) (JK 2023b)	Zinc concentration of 860 mg/kg	BH30/0.3	63 mg/kg
			BH30-A	160 mg/kg
			BH30-B	190 mg/kg
			BH30-C	130 mg/kg
			BH30-D	180 mg/kg
	BaP ESL (0.7 mg/kg)			
Lot A, access road (central)	STP39/0.1	BaP concentration of 1.6 mg/kg	STP39-A	<0.5 mg/kg
			STP39-B	<0.5 mg/kg
			STP39-C	<0.5 mg/kg
			STP39-D	<0.5 mg/kg
	BH6 (0-0.1m) (JKE 2023b)	BaP concentration of 2.4 mg/kg	BH6-A	<0.5 mg/kg
			BH6-B	<0.5 mg/kg
			BH6-C	<0.5 mg/kg
			BH6-D	<0.5 mg/kg
Lot A, Dam B area	SHA16/0.1	BaP concentration of 0.9 mg/kg	SHA16-F	<0.5 mg/kg
			SHA16-G	<0.5 mg/kg

Site Area	Initial Sample Location[1]	Exceedance	Step-out Location[2]	Analytical Result
Lot A, access road (east)	BH2 (0-0.1m) (JKE 2023b)	BaP concentration of 0.94 mg/kg	-	*Step-out locations not undertaken for BaP – asbestos is the driving factor for this delineation*
Lot A, access road near Storage Compound	BH3 (0-0.1m) (JKE 2023b)	BaP concentration of 0.93 mg/kg	-	*Step-out locations not undertaken for BaP – asbestos is the driving factor for this delineation to the N and E*
	F3 Fraction ESL (300 mg/kg)			
Lot A, access road	STP38/0.1	Initially exceeded ESL criteria for TRH F3 Fraction (>C16-C34). A subsequent rerun analysis of TRHs in silica gel cleanup resulted in non-detects for samples that recorded exceedances. Silica gel cleanup is a method by which laboratory interference is addressed through the removal of polar non-hydrocarbons (the removal of non-hydrocarbon interference compounds).	-	-
	STP40/0.2		-	-
	STP42/0.1		-	-
	HA-C		-	-
Stockpile SP1	SP1-B	Initially exceeded ESL criteria for TRH F3 Fraction (>C16-C34). A subsequent rerun analysis of TRHs in silica gel cleanup resulted in result of 970 mg/kg for TRH F3 Fraction.	-	-
Lot A, access road (west)	BH9 (0-0.1m) (JKE 2023b)	Exceeded ESL criteria for TRH F3 Fraction (540 mg/kg); silica gel cleanup not run	-	*Step-out locations not undertaken for TRH F3 Fraction – asbestos is the driving factor for this delineation*
Lot A, access road (central)	BH6 (0-0.1m) (JKE 2023b)	Exceeded ESL criteria for TRH F3 Fraction (390 mg/kg); silica gel cleanup not run	BH6-A	<100 mg/kg
			BH6-B	<100 mg/kg
			BH6-C	<100 mg/kg
			BH6-D	<100 mg/kg
Lot A, access road (central, east)	BH4 (0-0.1m) (JKE 2023b)	Exceeded ESL criteria for TRH F3 Fraction (390 mg/kg); silica gel cleanup not run	BH4/0.5	<100 mg/kg
			BH4-B	<100 mg/kg
			BH4-C	<100 mg/kg
			BH4-H	140 mg/kg
Lot A, access road (east)	BH2 (0-0.1m) (JKE 2023b)	Exceeded ESL criteria for TRH F3 Fraction (360 mg/kg); silica gel cleanup not run	BH2/0.3	<100 mg/kg
			BH2-A	<100 mg/kg
			BH2-B	110 mg/kg
			BH2-C	<100 mg/kg
			BH2-D	<100 mg/kg

Table Notes:

1. Initial Sample Location = Location where exceedance of DSI criteria was detected in sampled material collected either from Fieldwork Mobilisation 1 or JK Environments (2023b) PSI sampling
2. Step-out Location = Analytic result of sampled material collected from Fieldwork Mobilisation 2 (i.e. additional 'step-out' samples collected to delineate the respective 'Initial Exceedance')

- Bold = exceedance of respective assessment criteria.

8.2.3 Aesthetic Criteria

Anthropogenic materials were identified in the soil profiles at the following locations:

- Fieldwork Mobilisation 1: STP07-STP08, STP10-STP12, STP32, STP34-STP43, STP45-STP47 and SHA16
- Fieldwork Mobilisation 2: STP45-A, STP45-C, STP45-E, BH2, BH2-A, BH2-C, BH2-D, BH2-E, BH2-F, STP50, BH4, BH4-A, BH4-B, BH4-C, BH4-D, BH4-E, BH4-F, BH4-G, STP39-A, STP39-B, STP39-C, STP39-D, STP39-E, STP39-F, STP39-G, BH6-A, BH6-B, BH6-C, BH6-D, BH6-E, BH6-F, BH6-G, BH6-H, BH9-A, BH9-B, BH9-C, BH9-D, BH9-E, BH9-F, BH9-G, BH9-H, SHA16-A, SHA16-B, SHA16-C, SHA16-D, SHA16-E, SHA16-F, SHA16-G, SHA16-H, STP10, STP21-A, STP21-B, STP21-C, STP21-D, HA-D, HA-E, HA-F, HA-G
- Surface debris was observed in some areas across the Site as part of the PSI (JK Environments) and the DSI Site walkover.

Anthropogenic materials inclusions observed in fill layers are described in Section 8.1. The quantities observed did not typically suggest a widespread aesthetic issue due to their general isolation to surface fill layers but should be considered for any future proposed developments.

8.2.4 Urea Criteria

All samples submitted and analysed indirectly for urea by carbamates analysis did not report concentrations above the limit of detection.

8.2.5 Faecal Coliforms and E. coli

Laboratory analysis of samples submitted reported values of total coliforms present and therefore will be used as a screening level against adopted criteria of 1000 Most Probable Number of organisms (MPN)/g. STP13/0.1 reported >24,000 MPN/g total coliforms indicating a possible exceedance in faecal coliforms.

8.2.6 Waste Classification Criteria

The following exceedances of waste classification criteria were noted:

Site Area	Location	Waste Classification Notes
Lot A, SP3 (Dam A bund wall)	ACM-01	• ACM detected, indicating Special Waste (Asbestos)
	STP45-C	• Visual observations of ACM fragments, indicating Special Waste (Asbestos)
Lot B, driveway	ACM-02	• ACM detected, indicating Special Waste (Asbestos)
Lot B, central northern portion	STP07	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for lead
	STP10	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for lead • ACM detected, indicating Special Waste (Asbestos)
	STP10-B, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-M, STP10-N	• Visual observations of ACM fragments, indicating Special Waste (Asbestos)
	BH30	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for lead
Lot A, access road (east)	BH2	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for BaP • ACM detected, indicating Special Waste (Asbestos)
	FCF2, FCF3	• ACM detected, indicating Special Waste (Asbestos)
Lot A, access road (central, east)	BH4	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for nickel
	BH4/0.3	• Visual observations of ACM fragments, indicating Special Waste (Asbestos)

Site Area	Location	Waste Classification Notes
	HA-U	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for nickel • TCLP testing for nickel was undertaken on sample HA-U/0.0; the TCLP result (0.02 mg/L) was below the respective maximum allowable SCC1 and TCLP1 values for GSW
Lot A, access road (west)	BH9	• ACM detected, indicating Special Waste (Asbestos)
Lot A, access road (central)	BH6	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for lead and BaP
	STP39	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for BaP
Lot A, Dam B area	SHA16	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for BaP
Lot A, near Storage Compound	BH3	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for BaP
	STP42	• Shallow material (i.e. <0.2m) sampled exceeded GSW CT1 criteria for nickel

Noting that further TCLP analysis, may classify this as GSW, when using TCLP1 and SCC1 criteria.

There may also be opportunity to apply the Excavated Natural Material (ENM) Order to some of the material, in some areas across Site, noting the following:

- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) at Lot B, central northern person (locations STP10, STP07, STP08) for mercury, cadmium, lead, and zinc
- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) at Lot A, near the Storage Compound (location STP41) for cadmium
- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) at Lot A, access road (central) for BaP (location STP39) and total TPH (C10-C36) (location STP38)
- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) at Lot A, access road (east) (location STP43) for BaP and total TPH (C10-C36)
- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) at stockpile SP1 (location SP1-B) for total TPH (C10-C36)
- The absolute maximum concentration (ENM Order 2014) was exceeded in shallow material (i.e. <0.2m bgl) behind the ASTs near the Storage Compound (location HA-C) for total TPH (C10-C36)
- Anthropogenic material inclusions across Site.

8.2.7 Salinity

Samples analysed for salinity indicated soils and sediments are non-saline (<2 dS/m) according to the DLWC 2002 ECe values of soil salinity classes (refer to Table 7-3) with detected values ranging from 0.019 dS/m to 0.24 dS/m

8.3 Groundwater

8.3.1 Groundwater Well Installation and Observations

Three groundwater wells were installed as per Section 6.2.6.1 and surveyed to determine, total depths of wells, depth to groundwater and depth to top of well casing. Groundwater is inferred to flow in an easterly direction. Well installation field logs and water quality field sheets can be found in Appendix F. Survey data is presented in Appendix A (Drawing No. 5576-DET-C, dated 28/11/2023).

The following observations were noted during the groundwater sampling:

- SMW02 was dry and unable to be sampled
- Standing water levels were recorded between 1.176 (SMW01) and 6.547 (SMW03) m BTOC (meters below top of casing)

  - Observed water inflow noted at SMW01, approximately at ground surface, is likely not a representation of groundwater at the Site due to the depths at which groundwater was not encountered across the Site at all other groundwater, test pit and hand auger locations (>5 m bgl). The water inflow observed at SMW03 is believed to be a result of its proximity to Dam A
  - Surveyed groundwater levels are summarised in Table 8-5
- pH was recorded between 6.67 (SMW03) to 6.85 (SMW01)
- Significant drawdown (greater than 100mm) was noted during sampling of both SMW01 and SMW03
- Groundwater at SMW01 was noted to be grey in colour, low turbidity and no odour was observed
- Groundwater at SMW03 was noted to be grey and then yellow in colour and high to low turbidity as equipment volume purge completed and possessed a moderate septic odour.

Table 8-5 Groundwater levels.

Well ID	Easting	Northing	Surveyed RL (Top of Casing)	Standpipe Height	EOW		SWL	
			mAHD	*m*	*mb TOC*	*mAHD*	*mb TOC*	*mAHD*
MW01	297552.538	6240041.029	94.99	0.84	10.40	84.59	6.55	88.44
MW02	297682.099	6240117.226	101.31	1.13	11.23	90.08	Well dry	Well dry
MW03	297722.604	6239940.825	95.90	0.85	9.07	86.83	1.18	94.72

Table Notes:

- RL = Reduced Level, mAHD = metres Australian Height Datum, mbTOC = metres below Top of Casing, EOW = End of Well, SWL = Standing Water Level.

8.3.2 Groundwater Results

Tabulated analytical results for groundwater analysis are summarised in Tables H2, Appendix H. The laboratory analysis reports are included in Appendix I. Exceedances of adopted assessment criteria are described in the sections below and are presented on Figure 5, Appendix A.

The ANZG guideline values for 95% level DGV were exceeded in the following locations for the following analytes:

- The copper (filtered) 95% DGV of 0.0014 mg/L was exceeded in the following samples:
  - SMW01 with a concentration of 0.005 mg/L
  - SMW03 with a concentration of 0.004 mg/L
- The nickel (filtered) 95% level DGV of 0.011 mg/L was exceeded in the following samples :
  - SMW01 with a concentration of 0.022 mg/L
  - SMW03 with a concentration of 0.055 mg/L
- The zinc (filtered) 95% DGV of 0.008 mg/L was exceeded in the following samples:
  - SMW01 with a concentration of 0.056 mg/L
  - SMW03 with a concentration of 0.023 mg/L.

8.4 Surface Water

Surface water samples analysed did not exceeded the adopted assessment criteria. The majority of analytes had concentrations below the limit of detection, which was reported below the adopted assessment criteria.

9. Quality Assurance / Quality Control Data Evaluation

The following quality assurance and quality control plan was adopted for the environmental sampling in general accordance with NEPM requirements. DQIs are presented in Appendix C.

9.1 Field QA/QC

9.1.1 Sample Handling, Storage and Transportation

During fieldworks, samples were placed in an ice-filled chest in an attempt to keep the soil samples below the recommended preservation temperature of approximately 6°C. Samples were kept refrigerated until delivered to the testing laboratory. Samples Receipt Advice/Notifications confirmed that samples were received at the following temperatures:

- Batch 1067428 (Eurofins): 0.3°C
- Batch 1073004 (Groundwater) (Eurofins): 2.1°C
- Batch ES2404961 (ALS): 18.2°C
- Batch ES2406719 (Groundwater) (ALS): 15.2°C
- Batch 1123575 (Eurofins): 1.1°C
- Batch 1128943 (Eurofins): 1.1°C
- Batch ES2425382 (ALS): 12.0°C, 13.8°C, 14.9°C.

SMEC consider that elevated sample temperatures are unlikely to affect the data useability, noting:

- Samples were kept in ice chilled eskies during fieldwork and refrigerated upon arrival at the laboratory
- Trip spikes were collected and analysed with each batch, and recorded recoveries within control limits, suggesting loss of volatiles was unlikely to occur.

Samples, including QA samples, were transported to the laboratories with relevant Chain of Custody (CoC) documentation. The CoC form were completed with the sample names, sampling date and required analyses. The samples were sent in a sealed ice chest to the laboratory for analysis within the prescribed analyte holding times, except for the following:

- Conductivity (1:5) in samples QA07A and QA08A in batch ES2404961 exceeded the extraction date by 5 days
- Moisture Content in sample QA02A in batch ES2404961 exceeded the analysis date by 2 days
- Monocyclic aromatic hydrocarbons, oxygenated compounds, sulfonated compounds, fumigants, halogenated aliphatic compounds, halogenated aromatic compounds and trihalomethanes in samples QA03A, QA04A and QA05A in batch ES2404961 exceeded the extraction date by 3 days and the analyses date by 4 days
- Phenoxyacetic acid herbicides by LCMS in sample QA02A in Batch ES2404961 exceeded the extraction date by 2 days
- Phenoxyacetic acid herbicides by LCMS in samples QA03A, QA04A, QA05A, QA06A in Batch ES2404961 exceeded the extraction date by 1 day
- PCB, OCP, OPP, TRH, TPH and PAH in sample QA10A in Batch ES2404961 exceeded extraction date by 1 days
- PCB, OCP, OPP, TRH, TPH and PAH in sample QA11A in Batch ES2404961 exceeded extraction date by 3 days
- Volatile organics in batch 1123575 exceeded extraction holding time by 4 day
- Moisture content in sample QA10A in batch ES2425382 exceeded the analysis date by 1 days

- Monocyclic aromatic hydrocarbons, oxygenated compounds, sulfonated compounds, fumigants, halogenated aliphatic compounds, halogenated aromatic compounds and trihalomethanes in sample Q14A in batch ES2425382 exceeded the extraction date by 4 days and the analyses date by 4 days
- Monocyclic aromatic hydrocarbons, oxygenated compounds, sulfonated compounds, fumigants, halogenated aliphatic compounds, halogenated aromatic compounds and trihalomethanes in sample QA16A in batch ES2425382 exceeded the extraction date by 1 day and the analyses date by 1 day
- Phenoxyacetic acid herbicides in sample QA10A in batch ES2425382 exceeded extraction by 1 days.

The analytes tested in the EIL samples are used for deriving the Site-specific EIL criteria and trip blank, trip spike, TSC (trip spike control), and rinsate samples used for QAQC purposes. It is noted that all other analytes were analysed within appropriate holding times, and that relative percentage difference (RPD) results correlated well with the primary and field duplicate samples for majority of analytes. Thus, this is unlikely to significantly impact the interpretation of the data.

9.1.2 Equipment Decontamination

Reusable sampling equipment with the potential to cross contaminate samples (e.g. hand auger), were decontaminated using a triple wash procedure; that is, washed in diluted Liquinox (PFAS free) detergent solution, rinsed in potable water and then rinsed in distilled water between sample locations.

9.1.3 Equipment Rinsate

Three rinsate samples was collected to assess the effectiveness of equipment decontamination. Three rinsate samples (RINSATE01 to RINSATE03) were collected as part of the QA/QC procedure in the field by running laboratory prepared rinsate water across the end of the decontaminated hand auger (RINSATE01 and RINSATE02) and interface meter probe (RINSATE03). The blank water was collected directly into sample containers for analysis. The rinsate samples were treated in the same manner as other samples collected during the investigation. The rinsate samples were analysed for TRH, BTEX, PAH, Phenols, OCP, OPP, PCB, metal (8 analytes).

No analytes were recorded above the limit of reporting with the exception of two analytes in RINSATE03, kjeldahl nitrogen total and total nitrogen, which recorded detections 0.1 mg/L above the limit of reporting. The following is noted:

- Concentrations of the rinsate samples were lower than those detected in the groundwater primary samples for kjeldahl nitrogen total and total nitrogen
- Decontamination protocols (as documented in Section 6.3) were adhered to for the duration of the field program
- Considering the above, concentrations of these analytes do not appear to have been carried across between samples. Thus, this is not expected to affect the useability of the sample data. It is suspected that there is an interpretive issue with the laboratory QA/QC process.

The rinsate results are presented in Table H2, Appendix H.

9.1.4 Equipment Calibration

Monitoring equipment used to collect data was calibrated and/or serviced at a regular frequency in accordance with manufacturers recommendations. At a minimum, this included a PID and water quality meter calibration within one month of fieldwork (i.e. minimum monthly). Regular 'bump' tests of the PID were carried out in the field to assess potential calibration drift during monitoring. Calibration certificates are included in Appendix E.

9.1.5 Trip Blank and Trip Spike Samples

BTEX/volatile TPH trip spike and trip blank samples provided by the laboratory were taken into the field during soil sampling. These quality control samples were stored in the same manner as other samples. These were later analysed to assess potential loss of volatiles and/or volatile cross contamination during soil sampling.

The trip spike sample recorded acceptable recoveries and the trip blank sample recorded concentrations below the laboratory reporting limits. Trip blank and trip spike results are presented in Table H1 and Table H2, Appendix H.

9.1.6 Field Duplicates

Duplicate samples were selected for analysis and are summarised in Table 9-1.

Table 9-1: Field duplicate samples.

Primary Sample ID	Media	Duplicate ID	Type	Analysis
STP09/0.3	Soil	QA02	Intra lab duplicate	Lead, arsenic, AH, PCBs, OCPs, OPPs
		QA02A	Inter lab duplicate	AH, OCPs, OPPs, PCBs
STP34/0.2	Soil	QA03	Intra lab duplicate	AH, PCBs, OCPs, OPPs, TRH, VOC, PAH, metals
		QA03A	Inter lab duplicate	
STP39/0.5	Soil	QA04	Intra lab duplicate	AH, PCBs, OCPs, OPPs, TRH, VOC, PAH, metals
		QA04A	Inter lab duplicate	
STP43/0.1	Soil	QA05	Intra lab duplicate	AH, PCBs, OCPs, OPPs, TRH, VOC, PAH, metals
		QA05A	Inter lab duplicate	
STP49/0.1	Soil	QA06	Intra lab duplicate	Lead, arsenic, PAH, PCBs, OCPs, OPPs
		QA06A	Inter lab duplicate	AH, PCBs, OCPs, OPPs
STP01/0.1	Soil	QA07	Intra lab duplicate	Conductivity, ASS, PFAS
		QA07A	Inter lab duplicate	
STP06/0.1	Soil	QA08	Intra lab duplicate	Conductivity, AH, ASS, PCBs, OCPs, OPPs, PFAS
		QA08A	Inter lab duplicate	Conductivity, ASS, PFAS
SHA13/0.1	Soil	QA09	Intra lab duplicate	AH, PCBs, OCPs, OPPs
		QA09A	Inter lab duplicate	
T-A	Soil	QA10	Intra lab duplicate	AH, OCPs, OPPs
		QA10A	Inter lab duplicate	
BH30-A	Soil	QA12	Intra lab duplicate	Zinc
		QA12A	Inter lab duplicate	
SHA01/0.3	Soil	QA13	Intra lab duplicate	Zinc
		QA13A	Inter lab duplicate	
HA-D/0.1-0.2	Soil	QA14	Intra lab duplicate	TRH, VOC, PAH, metals, OCP, OPP, PCB
		QA14A	Inter lab duplicate	
HA-J/0.1	Soil	QA15	Intra lab duplicate	Metals, AH, OCP, OPP
		QA15A	Inter lab duplicate	
HA-K/0.0	Soil	QA16	Intra lab duplicate	AH, TRH, VOC, PAH, metals, OCP, OPP, PCB
		QA16A	Inter lab duplicate	
SWS01	Water	QA10	Intra lab duplicate	PCBs, OCPs, OPPs, TRH, VOC, PAH, metals, TN, TP, PFAS
		QA10A	Inter lab duplicate	
SMW01	Water	QA11	Intra lab duplicate	TRH, VOC, PAH, metals (filtered), TN, TP, PFAS, PCBs, OCPs, OPPs
		QA11A	Inter lab duplicate	

Table Notes:

- AH (acid herbicide), PCB (polychlorinated biphenyl), OCP (organochlorine phosphates), OPP (organophosphate pesticides), BTEX (benzene, toluene, ethylbenzene, xylene), PAH (polycyclic aromatic hydrocarbons), TPH (total petroleum

hydrocarbons), TRH (total recoverable hydrocarbons), metals (arsenic, cadmium, chromium, copper, nickel, lead, zinc, mercury), TN (total nitrogen), TP (total phosphorus), ASS (Acid Sulfate Soils).

Schedule B3 of the NEPM (Guideline on Laboratory analysis of potentially contaminated soils) states that intra and inter laboratory duplicates should be collected at a rate of 5% each (a total of 10% duplicates), and at a rate of 10% (a total of 20% duplicates) for PFAS. The following was met for this investigation:

- Field Mobilisation 1: In total, 131 primary soil samples and 2 primary water samples were analysed
  - A total of 8 soil intra laboratory, 8 soil inter laboratory were analysed
  - 1 water intra laboratory and 1 water inter laboratory duplicate samples were analysed
- Field Mobilisation 1: In total, 10 primary samples were analysed for PFAS
  - A total of 2 inter and 2 intra laboratory duplicates were analysed
- Field Mobilisation 2: In total, 103 primary soil samples were analysed
  - A total of 6 soil intra laboratory, 6 soil inter laboratory were analysed
- The duplicate analysis frequencies met DQI requirements.

9.2 Relative percentage difference (RPD)

Relative percentage differences (RPDs) were calculated using the method in Section 8.2.6 of AS4482.1-2005 and are presented in Table H3, Appendix H. The adopted control limits for RPDs were as follows:

- Less than 30%, where result is greater than 10 times limit of reporting (LOR)
- No limit where result is less than 10 times LOR

Field soil duplicates recorded RPDs outside of adopted control limits including:

- Metals
  - RPDs of 42% for chromium (III+VI) and 51% for zinc were recorded between primary sample STP34/0.2 and inter-laboratory duplicate QA03A.
  - RPDs of 50% for zinc and 178% for PAHs (Sum of total) were recorded between primary sample STP43/0.1 and inter-laboratory duplicate QA05A.
  - RPD of 67% for arsenic (filtered) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 57% for copper (filtered) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 46% for nickel (filtered) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 77% for arsenic (filtered) was recorded between primary sample SMW01 and inter-laboratory duplicate QA11a.
  - RPD of 46% for nickel (filtered) was recorded between primary sample SMW01 and inter-laboratory duplicate QA11a.
  - RPD of 41% for zinc (filtered) was recorded between primary sample SMW01 and inter-laboratory duplicate QA11a.
  - RPD of 33% for zinc was recorded between primary sample BH30-A and inter-laboratory duplicate QA12A.
  - RPD of 54% for zinc was recorded between primary sample SHA01-0.3 and intra-laboratory duplicate QA13.
  - RPD of 52% for zinc was recorded between primary sample SHA01-0.3 and inter-laboratory duplicate QA13A.
  - RPD of 68% for copper and 70% for zinc were recorded between primary sample HA-J/0.1 and intra-laboratory duplicate QA15.

  - RPD of 32% for zinc was recorded between primary sample HA-J/0.1 and inter-laboratory duplicate QA15A.
- TRH
  - RPDs of 43% for moisture content, 166% for >C10-C40 Fraction (Sum) and 129% for C10-C36 Fraction (Sum) and were recorded between primary sample STP43/0.1 and intra-laboratory duplicate QA05.
  - RPD of 180% for >C10-C16 Fraction (F2) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 180% for >C10-C16 Fraction (F2 minus Naphthalene) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 173% for >C16-C34 Fraction (F3) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 184% for >C10-C40 Fraction (Sum) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 175% for C10-C14 Fraction was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 175% for C15-C28 Fraction was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
  - RPD of 184% for C10-C36 Fraction (Sum) was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
- PAH
  - RPDs of 178% for PAHs (Sum of total) were recorded between primary sample STP43/0.1 and inter-laboratory duplicate QA05A.
- Total Nitrogen
  - RPD of 32% for Kjeldahl Nitrogen Total was recorded between primary sample SMW01 and intra-laboratory duplicate QA11.
- Moisture content
  - RPDs of 43% for moisture content was recorded between primary sample STP43/0.1 and intra-laboratory duplicate QA05.
  - RPD of 41% for moisture content was recorded between primary sample SHA13/0.1 and intra-laboratory duplicate QA09.
  - RPD of 93% for moisture content was recorded between primary sample HA-J/0.1 and intra-laboratory duplicate QA15.

SMEC considers this acceptable due to the heterogeneous fill and the results being less than the assessment criteria.

9.3 Laboratory QA/QC

Laboratory QA/QC, including matrix spikes, laboratory method blanks and laboratory duplicates, were performed in accordance with the laboratory NATA accreditation and the requirements of the ASC NEPM, 2013. The laboratory Certificates of Analysis, Sample Receipt Advice/Notifications and CoC information are provided in Appendix I.

The following DQI non-compliances were noted within laboratory QA/QC:

- For primary laboratory report 1067428 (Eurofins batch):
  - No method blank outliers were recorded
  - Some laboratory duplicate outliers were recorded within 1067428, as follows:
    - Laboratory duplicates for 4.4-DDT, arsenic and cadmium recorded RPDs above the adopted control limit of 30% (84%, 35% and 61% respectively), however, the lab noted “The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as the result is less than 10 times LOR”

    - Laboratory duplicates for phosphorus recorded RPDs above the adopted control limit of 30% (38%), however, the lab noted "Further analysis indicates sample heterogeneity as the cause"
    - Laboratory duplicates for water for zinc recorded RPDs above the adopted control limit of 30% (180%), however, the lab noted "The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as the result is less than 10 times LOR"
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded
  - Some matrix spike (MS) outliers were recorded within 1067428, as follows:
    - MS result for acid herbicide 2.4-D recorded 67% outside the acceptable limit of 70-130%, the lab noted, "An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference".
  - No control sample frequency were recorded.

Given that the RPD results correlated well with the primary and field triplicate sample for these analytes, this is unlikely to significantly impact the interpretation of the data.

- For primary groundwater laboratory report 1073004 (Eurofins):
  - No method blank outliers were recorded
  - Some laboratory duplicate outliers were recorded within 1073004, as follows:
    - Laboratory duplicates for water for zinc (filtered) recorded RPDs above the adopted control limit of 30% (31%), however, the lab noted "*The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as the result is less than 10 times LOR*"
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded
  - No Matrix Spike (MS) outliers were recorded
  - No control sample frequency were recorded
- For duplicate laboratory report ES2404961 (ALS Batch):
  - No method blank outliers were recorded
  - No laboratory duplicate outliers were recorded
  - Some laboratory duplicate outliers were recorded within 1067428, as follows:
    - Laboratory duplicates for chlorfenvinphos, coumaphos, diazinon and tetrachlorvinphos recorded RPDs above the adopted control limits (116%, 104%, 95.8% and 108% respectively), however, it is likely sample heterogeneity as the cause
  - No surrogate recovery outliers were recorded
  - Some MS outliers were recorded within 1067428, as follows:
    - MS result for ethoprophos recorded 134% outside the acceptable limit of 70-130%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for malathion recorded 556% outside the acceptable limit of 70-130%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for parathion recorded 46% outside the acceptable limit of 70-130%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for tetrachlorvinphos recorded 112% outside the acceptable limit of 60-106%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for aldicarb recorded 63.4% outside the acceptable limit of 67-117%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference

    - MS result for thiodicarb recorded 55.4% outside the acceptable limit of 70-130%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for atrazine recorded 59.4% outside the acceptable limit of 62-120%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
    - MS result for terbuthylazine recorded 60.2% outside the acceptable limit of 63-117%, an acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
  - No control sample frequency outliers were recorded.

The laboratory QA/QC outliers noted above are generally minor and are not expected to affect the overall useability of the dataset for the purposes of this assessment.

- For duplicate groundwater laboratory report ES2406719 (ALS Batch):
  - No method blank outliers were recorded
  - No laboratory duplicate outliers were recorded
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded
  - Some MS outliers were recorded within ES2406719, as follows:
    - MS result for nitrite + nitrate as N was not determined, background level greater than or equal to 4x spike level
  - No control sample frequency were recorded.
- For Mobilisation 2 primary soil laboratory report 1123575 (Eurofins):
  - No method blank outliers were recorded
  - Some laboratory duplicate outliers were recorded within 1123575, as follows:
    - Laboratory duplicates for soil for TRH >C10-C16 recorded RPDs above the adopted control limit of 30% (54%), however, the lab noted "*The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria*"
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded
  - No MS outliers were recorded
  - No control sample frequency were recorded
- For Mobilisation 2 primary soil additional laboratory report 1128943 (Eurofins):
  - No method blank outliers were recorded
  - No laboratory duplicate outliers were recorded
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded
  - No MS outliers were recorded
  - No control sample frequency were recorded
- For Mobilisation 2 secondary soil laboratory report ES2425382 (ALS):
  - No method blank outliers were recorded
  - No laboratory duplicate outliers were recorded
  - No laboratory control outliers were recorded
  - No surrogate recovery outliers were recorded

- No MS outliers were recorded
- No control sample frequency were recorded

9.4 Laboratory limit of reporting

All laboratory limits of reporting were below the adopted assessment criteria.

9.5 QA/QC Summary

Based on the above data evaluation, SMEC considers the data to be useable for the purposes of this assessment.

10. Conceptual Site Model

The development of the CSM is an iterative process, whereby the preliminary CSM (refer to Section 5) is developed in the first stage of Site assessment and revised as more detailed information on the Site and the nature of contamination becomes available. A revised CSM has been prepared which presents potential source(s), pathway(s), and ecological/human receptor(s) linkages.

The revised CSM is used to identify risks to human health, the environment, and environmental values, as well as uncertainties or critical gaps in information that need to be addressed in subsequent stages. For a risk to exist all three components (source, pathway, receptor) of the CSM must exist.

The revised CSM is made up of contaminants of potential concern (CoPC) and receptors that could be exposed to the CoPC, and is presented in Table 10-1. A visual representation of the revised CSM is presented in Figure 7, Appendix A.

Table 10-1 Revised conceptual site model.

Source AEI	Findings	Potential Pathway Migration Pathway(s)	Potential Pathway Exposure Pathway(s)	Potential Receptor(s)	S-P-R Linkage
AEI1 AEI2	• Surface fragment 'ACM-01' • Surface fragment 'ACM-02' • STP10: – STP10/0.1 ACM fragment – Asbestos (0.195%) recorded above adopted HIL C criteria (0.02%w/w) – Visual observation of ACM fragments in STP10-B, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-M, STP10-N • BH2(0.0-0.1m) asbestos (0.0214%) recorded above adopted HIL C criteria (0.02%w/w) • Surface fragment 'FCF2' • Surface fragment 'FCF3'	• Direct contact/ ingestion of contaminated soils • Migration of dusts/ fibres followed by ingestion/ inhalation	• Incidental Inhalation and/or ingestion	• Future users of the site e.g. students and staff • Site workers during future construction works or maintenance activities	Plausible if disturbed and not managed
AEI1 AEI2 AEI3 AEI4 *(SHA16 only)*	• Copper EIL criteria (125 mg/kg) exceedances: – STP21/0.1 (120 mg/kg) • Zinc EIL criteria (390 mg/kg) exceedances: – STP07: STP07/0.1 (990 mg/kg), STP07-A (550 mg/kg), STP-D (680 mg/kg), STP07-H (390 mg/kg) – STP08: STP08/0.1 (550 mg/kg), STP08/0.3 (660 mg/kg) – STP10/0.1 (1500 mg/kg) – BH30 (0-0.1m) (860 mg/kg) (JK Environments 2023b) • BaP ESL criteria (0.7 mg/kg) exceedance: – STP39/0.1 (1.6 mg/kg) – SHA16/0.1 (0.9 mg/kg) – JK Environments (2023b) locations: BH6(0-0.1m) (2.4 mg/kg), BH2(0-0.1m) (0.94 mg/kg), BH3(0-0.1m) (0.93 mg/kg) • TRH F3 Fraction ESL criteria (300 mg/kg) exceedances: – JK Environments (2023b) locations: BH6(0-0.1m) (390 mg/kg), BH2(0-0.1m) (360 mg/kg), BH4(0-0.1m) (390 mg/kg), BH9(0-0.1m) (540 mg/kg).	• Exposing soil during earthworks	• Ingestion (biota)	• Onsite ecological receptors	Plausible if disturbed and not managed

11. Discussion

11.1 Site Characterisation

The following discussion is based on results of the DSI and historic assessments at the Site, with reference to the CSM developed in Section 5 and DQOs, which provide decision rules (Step 5) applicable to informing development planning processes for the Site, from a health and ecological contamination perspective.

A data validation assessment was carried out and found the data collected is useable (refer to Section 6 and Appendix C).

11.1.1 AEI 1: Areas near former/existing building structures from weathering and/or ineffective demolition of hazardous building materials

As part of AEI1 investigations, all identified historical and accessible existing structures were targeted.

In Lot B, exceedances of adopted human health for asbestos and ecological criteria for zinc were observed within the central northern portion of Site (locations STP10 and STP08), adjacent to remnant/demolished corrugated metal sheeting and associated debris from old sheds within this area. This aligns with JK Environments (2023b) investigations in this area, where location BH30 had an ecological criteria exceedance for zinc.

Within Lot A, several exceedances of the adopted human health criteria for asbestos were identified along the southern boundary. JK Environments (2023b) also identified human health criteria exceedances for asbestos in these areas.

With respect to AEI1, multiple ACM fragments were observed within the Storage Compound, and suspected Six Roofing (i.e. suspected ACM) or Synthetic Mineral Fibre roofing was observed near the Site entrance. Multiple surficial ACM fragments were also observed in the area between the Storage Compound and Dam A. These are suspected to be associated with hazardous building materials historically used at the Site.

The identified asbestos exceedances within the Lot A access road footprint and associated fill material are further discussed in Section 11.1.2.

Ecological criteria was exceeded for TRH F3 Fraction for several SMEC and JK Environments (2023b) samples in the southern boundary of Lot A (areas corresponding to historic building footprints). SMEC samples which initially exceeded TRH F3 Fraction criteria were subsequently rerun for TRHs in silica gel cleanup, and concentrations were non-detects.

It is noted that JK Environments (2023b) did not run silica gel cleanup analysis, however as part of Field Mobilisation 2, step-out test pits were undertaken for some JK Environments (2023b) sampling areas (BH6, BH4 and BH2), and were run for TRHs in silica gel cleanup. Analytical results demonstrated concentrations below the respective ecological criteria.

Silica gel cleanup is a method by which laboratory interference is addressed through the removal of polar non-hydrocarbons (the removal of non-hydrocarbon interference compounds).

It should be noted that we could not investigate directly beneath the footprint of existing structures, namely the farm residence, and hazardous materials may have been used in their construction of on-site structures. Further sampling / validation may be required beneath building footprints in AEI1 during construction.

11.1.2 AEI 2: Areas of possible filling of unknown origin and/or quality

Fill material was generally observed along the access road following the southern boundary of Lot A. This was typically to a depth of 0.5m, and was typically described as sandy, silt with trace clay with minor (5%) to moderate (15%) anthropogenic inclusions. It is noted that fill material comprising anthropogenic materials would generally not be permissible for use as surface finishing soils in recreational or landscape areas due to aesthetic issues without removal of these inclusions.

Within the access road footprint, ACM was either observed or detected analytically in several locations along the Lot A access road footprint. JK Environments (2023b) also detected asbestos in four surficial ACM samples taken within the south-eastern portion of the Site (BH2-FCF1 (0-0.5), FCF1, FCF4 and FCF5). These locations are presented on Figure 4A, Appendix A.

It is noted that, while ACM was not detected across the whole of the access road footprint, similar fill materials and anthropogenic inclusions were observed across the whole area. As such, if this area were to be disturbed, excavations should be overseen by an experienced environmental scientist/engineer or occupational hygienist, in the case of any unexpected finds (UEF).

Exceedances for BaP and BaP TEQ were also observed along the access road of Lot A. This may be associated with any Site operations (e.g. burning material, operation of trucks and other vehicles).

Ecological criteria was exceeded for TRH F3 Fraction (following silica gel cleanup) for material sampled from stockpile SP1. This material is currently stockpiled, however SMEC understands that it is intended for placement across the Site.

Dam A was observed to be bunded by a mounded stockpile (SP3), varying from 0.5 to 3m height. Test pits STP45, STP46, STP47 (undertaken as part of Field Mobilisation 1) were excavated into the bund wall, and fill material was observed to a depth of 1.4m. Field observations and analytical results determined SP3 to be impacted by ACM. Surficial fragment ACM-01 was also detected within this footprint.

Within Lot B, the driveway next to the residential premises was observed to be an area of fill material. Within this area, a surficial ACM fragment (ACM-02) was detected.

11.1.3 AEI 3: Whole Site from potential spraying of pesticides and herbicides and from application of pesticides related to crop growing activities

Exceedances were not detected in sampled and analysed material associated with AEI 3 from across the Site for relevant CoPC (OCPs, OPP and metals, with the exception of copper and zinc). This is consistent with findings from both DSI locations and the JK Environmental (2023) previous investigations.

Exceedances of copper and zinc have been discussed further within Section 11.1.1. While these metals may be associated with the use of pesticides and historical agricultural activities, the presence of the exceedances near historic structures also indicates that they may also be from weathering of building materials (e.g. galvanised iron).

The JK Environmental (2023a) geotechnical report indicated that the Site is "*located in an area where soil and groundwater salinity may occur*" and that this may affect structure longevity and appearance. It is noted that this assessment indicated soils and sediments to be non-saline (Section 8.2.7) according to the DLWC 2002 Ece values of soil salinity classes.

11.1.4 AEI 4: Farm Dam/Waste water Pond (Dam A and B).

Surface water and sediment samples collected from and adjacent to Dam A and B did not exceed the adopted assessment criteria for CoPC.

11.1.5 AEI 5 Septic Tank

Sample STP13/0.1 taken within AEI 5 reported a total coliform of >24,000 MPN/g. This value representing probable total coliforms in the sample was used as a screening level against the adopted criteria of 1000 MPN/g faecal coliforms. Odour or staining was not observed at the time of sampling. Further investigation into the integrity of the septic tank is recommended to further assess the risk.

11.2 Waste Classification

Exceedances of waste classification CT1 criteria was identified in the following areas:

- Within the central portion of Lot B (STP07, STP10, BH30) for lead
- Within the southern portion of Lot A, along the access road area (SHA16, BH6, STP39, BH3, STP42, HA-U, BH4, BH2) for BaP, lead and nickel

JK Environments (2023b) previous investigation also detected exceedances of CT1 criteria in BaP, lead and nickel which were further assessed and found not to exceed SCC1.

Asbestos was identified in several locations across the southern portion of Lot A: along the access road area (BH9, BH4, BH2, FCF2, FCF3); at SP3 (ACM-01); within the Storage Compound and across surface soils adjacent to the Storage Compound and SP3. Asbestos was identified within the Lot B driveway (ACM-01) and centre of Site (STP10).

Generally, sampled material was observed to be and chemically characterised as below the contaminant threshold for *General Solid Waste*. During potential future construction works, areas that recorded exceedances should be further delineated to assess the extent of materials that exceed waste classification criteria.

It should also be noted that, with the exception of one sample, waste classification exceedances detected during DSI sampling were not analysed and subsequently assessed against the specific contaminant concentration (SCC) and/or toxicity characteristics leaching procedure (TCLP) which may result in a lower waste classification.

11.3 Groundwater

Groundwater samples exceeded the adopted 95% species protection level DGV assessment criteria in filtered copper, nickel and zinc at SMW01 and SMW03. These exceedances are suspected to reflect the regional groundwater quality. It is noted that the proposed development is not expected to require excavations greater than 3m bgl (JK Environments 2024), which is below the identified groundwater levels. Thus, there is no plausible pathway to Site receptors identified as part of the CSM (refer to Section 10).

11.4 Data Gaps

The following data gaps should be noted as part of the assessment for land use and the proposed activity:

- Soils directly beneath the existing buildings (that were not accessible as part of the DSI) should be validated to confirm their suitability for the change in land use
- Further investigations into the septic tank integrity (suggested as part of construction remediation works)
- Groundwater investigations are considered appropriate for the proposed activity. If the proposed activity were to change (i.e. requiring excavations below the groundwater level) further investigations may be warranted.

12. Conclusions

This DSI included developing and executing a sampling, analysis and quality plan which involved undertaking two field mobilisations and sampling soils from 228 sample locations, two sediment sample locations, three groundwater locations (two sampled) and two surface water locations across the Site using a combination of judgemental and systematic sampling to assess the previously identified AEIs (AEI 1 to 5).

Test pit locations were excavated to a maximum depth of 1.8m bgl and hand auger locations were advanced to a maximum depth of 0.7 m bgl. The majority of testing locations were excavated to the top of natural soils. Fill soil, generally comprising sandy silt was observed at the Site to a depth of generally less than 0.5m bgl. Three locations adjacent Dam A had fill encountered down to 1.4 m bgl. Natural residual soils were encountered across the Site and were generally noted to comprise low to medium clay with weathered claystone encountered at five locations. Groundwater inflows were not observed at test pit or hand auger locations. Water inflow observed at 0.1m bgl during SMW03 well installation was likely attributed to the proximity to Dam A. No other water inflow was observed during well installations.

Concentrations of contamination of potential concern were generally less than the adopted assessment criteria for soils, groundwater, sediment and surface water, with the exception of the following:

- Human Health criteria
  - Asbestos:
    - Lot A, SP3: ACM-01, STP45-C; ACM fragments throughout stockpile
    - Lot A, access road (east): BH2/0.0-0.1, FCF2, FCF3; ACM fragments in subsurface fill and on surface
    - Lot A, access road (west): BH9/0.0-0.1; ACM fragment in subsurface fill
    - Lot A, access road (central, east): BH4/0.3; ACM fragments in subsurface fill
    - Lot B, driveway: ACM-02; ACM fragment (surface)
    - Lot B, central, northern portion: STP10, STP10-B, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-M, STP10-N; ACM fragments through subsurface fill
- Ecological criteria:
  - Lot B, central northern portion: zinc exceedances at STP08, STP07, STP10, BH30; shallow material (<0.2m)
  - Lot A, access road (central):
    - BaP ESL exceedances at STP39, BH6; shallow material (<0.2m)
    - TRH F3 Fraction ESL exceedance at BH6 (silica gel cleanup not run); shallow material (<0.2m)
  - Lot A, Dam B area: BaP ESL exceedance at SHA16; shallow material (<0.2m)
  - Lot A, access road (east):
    - BaP ESL exceedance at BH2; shallow material (<0.2m)
    - TRH F3 Fraction ESL exceedance at BH2 (silica gel cleanup not run); shallow material (<0.2m)
  - Lot A, access road (central, east): TRH F3 Fraction ESL exceedance at BH4 (silica gel cleanup not run); shallow material (<0.2m)
  - Lot A, access road near the storage compound: BaP ESL exceedance at BH3; shallow material (<0.2m)
  - Lot A, access road (west): TRH F3 Fraction ESL exceedance at BH9 (silica gel cleanup not run); shallow material (<0.2m)
  - Stockpile SP1: TRH F3 Fraction (with silica gel cleanup) exceedance
- Salinity
  - Laboratory analysis of electrical conductivity identified soil materials as non-saline
- Acid Sulfate Soils

  - pH field screening and observations during sampling did not identify characteristics associated with acid sulfate soils (ASS)
- Indicative Waste Classification
  - Lot A, SP3 (Dam A bund wall): ACM detected, indicating Special Waste (Asbestos)
  - Lot B, driveway: ACM detected, indicating Special Waste (Asbestos)
  - Lot B, central northern portion: shallow material (i.e. <0.2m) sampled at locations STP07, STP10 and BH30 exceeded GSW CT1 criteria for lead; ACM detected, indicating Special Waste (Asbestos)
  - Lot A, Dam B area: shallow material (i.e. <0.2m) sampled at location SHA16 exceeded GSW CT1 criteria for BaP
  - Lot A, access road (central): shallow material (i.e. <0.2m) sampled at locations BH6 and STP39 exceeded GSW CT1 criteria for lead and BaP
  - Lot A, access road near Storage Compound: shallow material (i.e. <0.2m) sampled at location BH3 and STP42 exceeded GSW CT1 criteria for BaP and nickel
  - Lot A, access road (central, east): shallow material (i.e. <0.2m) sampled at locations HA-U and BH4 exceeded GSW CT1 criteria for nickel; ACM detected, indicating Special Waste (Asbestos)
    - TCLP testing for nickel was undertaken on sample HA-U/0.0; the TCLP result (0.02 mg/L) was below the respective maximum allowable SCC1 and TCLP1 values for GSW
  - Lot A, access road (east): shallow material (i.e. <0.2m) sampled at location BH2 exceeded GSW CT1 criteria for BaP; ACM detected, indicating Special Waste (Asbestos)
  - Lot A, access road (west): ACM detected (at BH9), indicating Special Waste (Asbestos)
  - Further TCLP analysis, may classify exceeding material as GSW, when using Toxicity Characteristic Leaching Procedure (TCLP) 1 and Specific Contaminant Concentration Threshold (SCC) 1 criteria
  - JK Environments (2023b) previous investigation also detected exceedances of CT1 criteria in BaP, lead and nickel which were further assessed and found not to exceed specific contaminant concentration threshold 1
  - There may also be opportunity to apply the Excavated Natural Material (ENM) Order to some of the material, in some areas across Site
- Groundwater exceeded the adopted 95% species protection level DGV assessment criteria in filtered copper, nickel and zinc at SMW01 and SMW03.

Based on the results of this DSI, the following is concluded:

  - Site conditions may change depending on material movements or onsite activities by the existing tenants (if present)
  - The Site can be made suitable from a contamination perspective for a future land use as a high school, subject to the management of identified contamination and implementation of the recommendations below.

13. Recommendations and Mitigation Measures

13.1 Recommendations

Based on the results of this DSI, the following is recommended:

- Development of a Remedial Action Plan (RAP) to manage the identified contamination. This may include segregation and stripping of shallow soils impacted by metals (copper and zinc), benzo(a)pyrene and asbestos, with waste classification and disposal offsite at a licensed facility or onsite encapsulation.
- Supervision of material segregation works as part of remediation works, by an experienced environmental engineer/scientist or occupational hygienist

- Preparation of a Construction Environmental Management Plan (CEMP) outlining unexpected finds, including for areas underneath building footprints post demolition
- Undertaking a Hazardous Building Material (HBM) Assessment for Lot B.

13.2 Mitigation Measures

Mitigation measures are required for a Review of Environmental Factors (REF) and are actions or measures to avoid, minimise, rectify (by repairing, rehabilitating or restoring) and/or reduce or eliminate over time (by preservation and maintenance) the adverse environmental impacts of a Division 5.1 activity. Mitigation measures specific to contamination with respect to the proposed activity are provided in Table 13-1 below.

Table 13-1: Mitigation Measures

Mitigation Number/Name	Aspect/Section	Mitigation Measure	Reason for Mitigation Measure
1. Manage known and potential soil contamination	Prior to commencement of any construction work	Prepare and implement a RAP to remediate known areas of contamination. This would include: • Obtain approvals, set up site controls, site management as per the RAP and implement unexpected finds protocols • Demolish structures/utilities - including removal of all hazardous building materials from structures that require demolition in accordance with relevant regulations and codes along with adequate assessment and clearance prior to demolition • Excavate and manage contaminated material, including soil management, material tracking and validation sampling. • Validate imported soil suitability • Prepare validation report • Develop and apply a Long Term Environmental Management Plan if any soils are encapsulated on site.	Manage contamination risks to human health and the environment, to render the Site suitable for its proposed activity.

SMEC consider that potential impact can be adequately mitigated through recommended measures and following completion would not be considered to be a significant impact to the proposed activity.

14. References

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Appendix A

Figures

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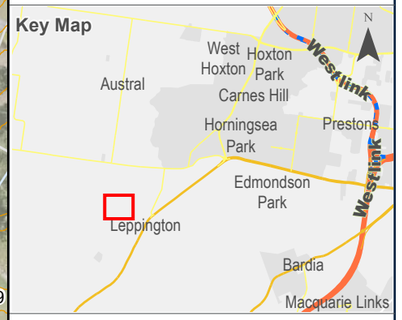
0 20 40 60 80
Meters

1:2,000

LEGEND

- Site Boundary
- Cadastre
- Contour 0.5m

Key Map



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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
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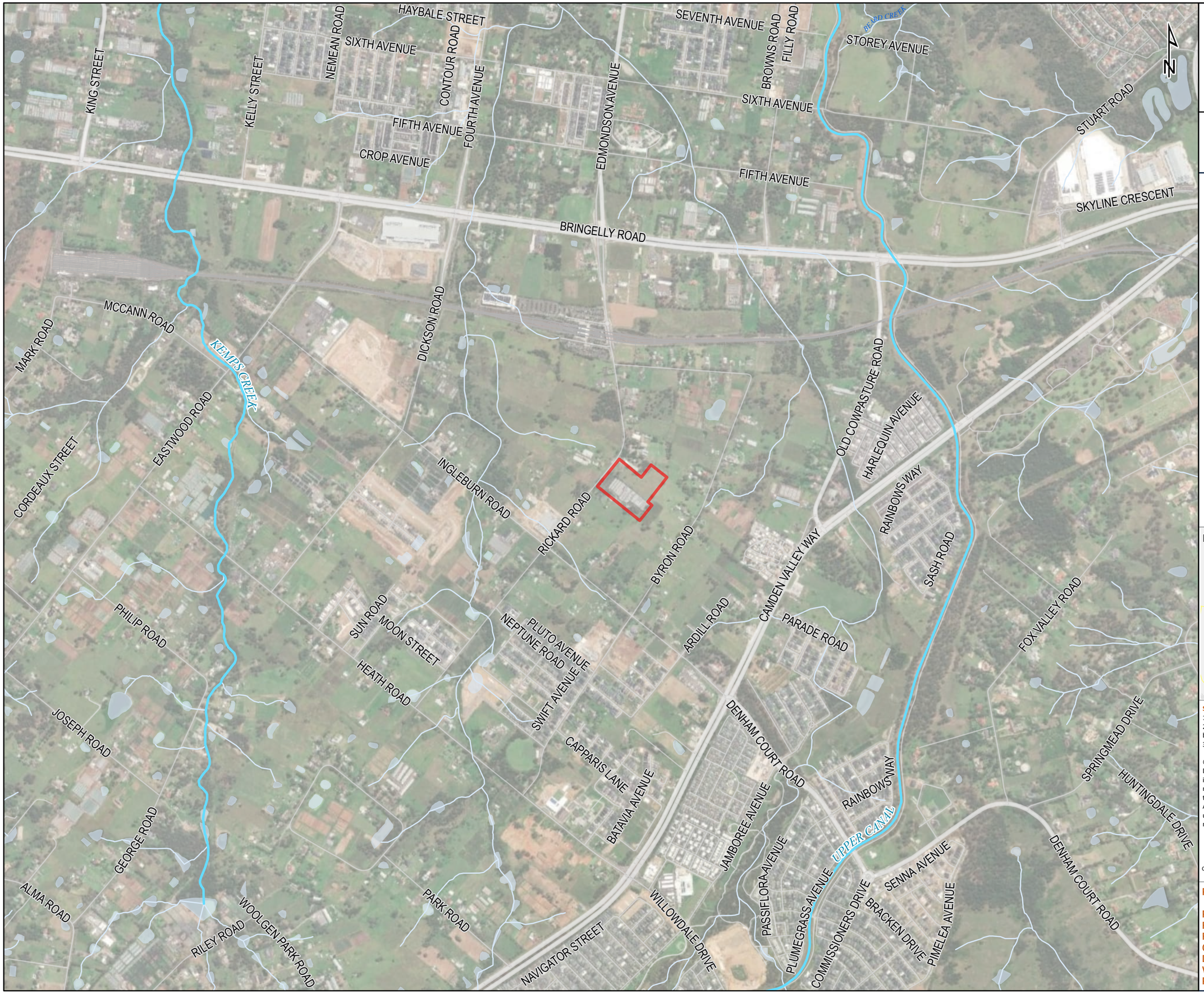
CREATED BY:	FA13847
DATE:	13/02/2024
VERSION:	1
PAGE SIZE:	A3



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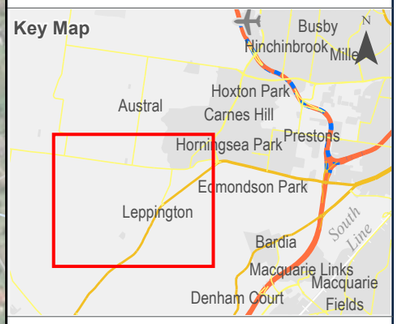
LEGEND

- Site Boundary
- Watercourse



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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	1
FIGURE TITLE:	Site Locality – Nearby Waterbodies
CREATED BY:	FA13847
DATE:	18/03/2024
VERSION:	1
PAGE SIZE:	A3

Septic tank

Area of possible filling/topsoil stripping (circa 1978-1984)

Existing shed (inaccessible)

Areas of remnant/ demolished corrugated metal sheds and associated debris

Crops present above a plastic liner

Observed mounded area

Location of fibrous, corrugated material and mains water valve

RICKARD ROAD

Site entrance

Dam B

Storage Shed

Shipping Container 1

Stockpile SP4

Stockpile SP1

Stockpile SP2

Shipping Container 2

Storage Compound

Tank A

Tank C

Tank B

Area of suspected buried waste (JKE, 2023)

Sheep carcasses observed in this area

SP3/dam wall

Dam A

General area of waste materials including potential ACM fragments and sheep carcasses

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LEGEND

- Site Boundary
- Site Observations

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI - whole site

- AEI 3 - Spraying of pesticides/ herbicides (whole site)

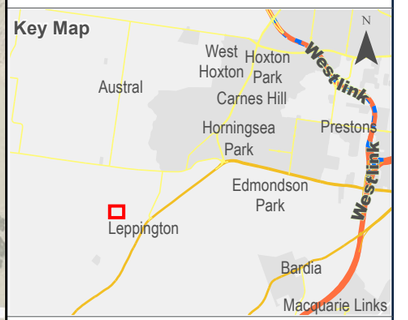
AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Key Map



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Coordinate System: GDA2020 MGA Zone 56

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PROJECT NO:	30018043
FIGURE NO:	2
FIGURE TITLE:	Areas of Environmental Interest
CREATED BY:	FA13847
DATE:	15/03/2024
VERSION:	1
PAGE SIZE:	A3

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LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI - whole site

- AEI 3 - Spraying of pesticides/ herbicides (whole site)

AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
- SMEC DSI Sediment Sample
- SMEC DSI Surface Sample
- JK Borehole
- SMEC DSI Additional Test Pit
- SMEC DSI Additional Hand Auger
- SMEC DSI Additional Surface Sample

SOURCES:
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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	3
FIGURE TITLE:	Sampling Locations
CREATED BY:	LL16284
DATE:	14/08/2024
VERSION:	1
PAGE SIZE:	A3

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ABN 47 065 475 149

0 10 20 30 40
Meters

1:1,000

LEGEND

- Site Boundary

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
- SMEC DSI Sediment Sample
- SMEC DSI Surface Sample
- JK Borehole
- SMEC DSI Additional Test Pit
- SMEC DSI Additional Hand Auger
- SMEC DSI Additional Surface Sample

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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	3A
FIGURE TITLE:	Sampling Locations
CREATED BY:	LL16284
DATE:	14/08/2024
VERSION:	1
PAGE SIZE:	A3

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ABN 47 065 475 149

0 10 20 30 40
Meters

1:1,000

LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
- SMEC DSI Sediment Sample
- SMEC DSI Surface Sample
- JK Borehole
- SMEC DSI Additional Surface Sample
- SMEC DSI Additional Hand Auger
- SMEC DSI Additional Test Pit
- SMEC DSI Additional Test Pit (Observational)

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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	3B
FIGURE TITLE:	Sampling Locations
CREATED BY:	LL16284
DATE:	14/08/2024
VERSION:	1
PAGE SIZE:	A3

Sample	Analyte	Exceedance
ACM-02	Asbestos	ACM fragment detected

Sample	Analyte	Exceedance
BH30 (0-0.1m)	Zinc	860 mg/kg (Site-specific EIL)

Sample	Analyte	Exceedance
STP10-B, STP10-D, STP10-F, STP10-H, STP10-I, STP10-J, STP10-M, STP10-N	Asbestos	ACM fragment/s observed

Sample	Analyte	Exceedance
STP10/0.1	Zinc	1,500 mg/kg (Site-specific EIL)
	Asbestos	ACM 0.20%w/w (HSL C)

Sample	Analyte	Exceedance
STP07/0.1	Zinc	990 mg/kg (Site-specific EIL)
STP07-A	Zinc	550 mg/kg (Site-specific EIL)
STP07-D	Zinc	680 mg/kg (Site-specific EIL)

Sample	Analyte	Exceedance
SHA16/0.1	BaP	0.9 mg/kg (ESL)

Sample	Analyte	Exceedance
STP08/0.1	Zinc	550 mg/kg (Site-specific EIL)
STP08/0.3	Zinc	660 mg/kg (Site-specific EIL)

Sample	Analyte	Exceedance
BH9 (0-0.1m)	TRH >C16-C34	540 mg/kg (ESL)
	Asbestos	ACM 0.0015% w/w (HSL C)

Sample	Analyte	Exceedance
BH6 (0-0.1m)	BaP	2.4 mg/kg (ESL)
	TRH >C16-C34	390 mg/kg (ESL)

Sample	Analyte	Exceedance
BH4 (0-0.1m)	TRH >C16-C34	390 mg/kg (ESL)
BH4	Asbestos	ACM fragments observed

Sample	Analyte	Exceedance
STP39/0.1	BaP	1.6 mg/kg (ESL)

Sample	Analyte	Exceedance
BH2 (0-0.1m)	TRH >C16-C34	360 mg/kg (ESL)
	BaP	0.94 mg/kg (ESL)
	Asbestos	ACM 0.0214% w/w (HSL C)

Sample	Analyte	Exceedance
SP1-B	TRH >C16-C34 (silica gel cleanup)	970 mg/kg (ESL)

Sample	Analyte	Exceedance
FCF2	Asbestos	ACM detected

Sample	Analyte	Exceedance
BH3 (0-0.1m)	BaP	1.6 mg/kg (ESL)

Sample	Analyte	Exceedance
FCF3	Asbestos	ACM detected

Sample	Analyte	Exceedance
ACM-01	Asbestos	ACM detected

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Meters

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LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
- SMEC DSI Sediment Sample
- SMEC DSI Surface Sample
- JK Borehole
- SMEC DSI Additional Surface Sample
- SMEC DSI Additional Hand Auger
- SMEC DSI Additional Test Pit
- SMEC DSI Additional Test Pit (Observational)

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Coordinate System: GDA2020 MGA Zone 56

PROJECT: Leppington High School Development DSI
PROJECT NO: 30018043
FIGURE NO: 4
FIGURE TITLE: Exceedance Locations
CREATED BY: LL16284
DATE: 14/08/2024
VERSION: 1
PAGE SIZE: A3

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0 10 20 30 40
Meters
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LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

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- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
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- SMEC DSI Grounwater Monitoring Well
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- SMEC DSI Surface Sample
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- SMEC DSI Additional Test Pit
- SMEC DSI Additional Test Pit (Observational)

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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	4A
FIGURE TITLE:	Exceedance Locations - Health Criteria
CREATED BY:	LL16284
DATE:	14/08/2024
VERSION:	1
PAGE SIZE:	A3

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Meters

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LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
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- SMEC DSI Additional Test Pit (Observational)

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Coordinate System: GDA2020 MGA Zone 56

PROJECT: Leppington High School Development DSI
PROJECT NO: 30018043
FIGURE NO: 4B
FIGURE TITLE: Exceedance Locations - Ecological Criteria
CREATED BY: LL16284
DATE: 14/08/2024
VERSION: 1
PAGE SIZE: A3

Sample	Analyte	Exceedance
SHA16/0.1	BaP	0.9 mg/kg (CT1)

Sample	Analyte	Exceedance
BH30 (0-0.1m)	Lead	110 mg/kg (CT1)

Sample	Analyte	Exceedance
STP10/0.1	Lead	210 mg/kg (CT1)

Sample	Analyte	Exceedance
STP07/0.1	Lead	170 mg/kg (CT1)

Sample	Analyte	Exceedance
BH6 (0-0.1m)	Lead	120 mg/kg (CT1)
	BaP	2.4 mg/kg (CT1)

Sample	Analyte	Exceedance
HA-U/0.0	Nickel	57 mg/kg (CT1)

Sample	Analyte	Exceedance
BH4 (0-0.1m)	Nickel	45 mg/kg (CT1)

Sample	Analyte	Exceedance
STP39/0.1	BaP	1.6 mg/kg (CT1)

Sample	Analyte	Exceedance
BH2 (0-0.1m)	BaP	0.94 mg/kg (CT1)

Sample	Analyte	Exceedance
BH3 (0-0.1m)	BaP	1.6 mg/kg (CT1)

Sample	Analyte	Exceedance
STP42/0.1	Nickel	44 mg/kg (CT1)

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0 10 20 30 40
Meters
1:1,000

LEGEND

- Site Boundary

AEI 1 - areas near former/existing building structures

- Existing Structure
- Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

- Sub-surface fill encountered by JKE (2023)
- Fill encountered by JKE (2023)

AEI 4 - possible farm dam/waste water pond

- AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

- AEI 5 - Septic Tank

Sampling Locations

- SMEC DSI Test Pit
- SMEC DSI Hand Auger
- SMEC DSI Grounwater Monitoring Well
- SMEC DSI Surface Water Sample
- SMEC DSI Sediment Sample
- SMEC DSI Surface Sample
- JK Borehole
- SMEC DSI Additional Surface Sample
- SMEC DSI Additional Hand Auger
- SMEC DSI Additional Test Pit
- SMEC DSI Additional Test Pit (Observational)

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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	4C
FIGURE TITLE:	Exceedance Locations - Waste Class Criteria
CREATED BY:	LL16284
DATE:	14/08/2024
VERSION:	1
PAGE SIZE:	A3

Sample	Criteria	Exceedance
SMW01	95% DGV for filtered Copper 0.0014 mg/L	0.005 mg/L
	95% DGV for filtered Nickel 0.011 mg/L	0.022 mg/L
	95% DGV for filtered Zinc 0.008 mg/L	0.056 mg/L

Sample	Criteria	Exceedance
SMW03	95% DGV for filtered Copper 0.0014 mg/L	0.004 mg/L
	95% DGV for filtered Nickel 0.011 mg/L	0.055 mg/L
	95% DGV for filtered Zinc 0.008 mg/L	0.023 mg/L

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LEGEND

Site Boundary

AEI 1 - areas near former/existing building structures

Existing Structure

Historical Structure

AEI 2 - Areas of filling (unknown origin and/or quality)

Sub-surface fill encountered by JKE (2023)

Fill encountered by JKE (2023)

AEI - whole site

AEI 3 - Spraying of pesticides/ herbicides (whole site)

AEI 4 - possible farm dam/waste water pond

AEI 4 - possible farm dam/ waste water pond

AEI 5 - Septic Tank

DSI Investigation Locations

Test Pit

JK Environments Location

Hand Auger

Groundwater Monitoring Well

Surface Water Sample

Sediment Sample

Surface Sample

Ecological Criteria Exceedance

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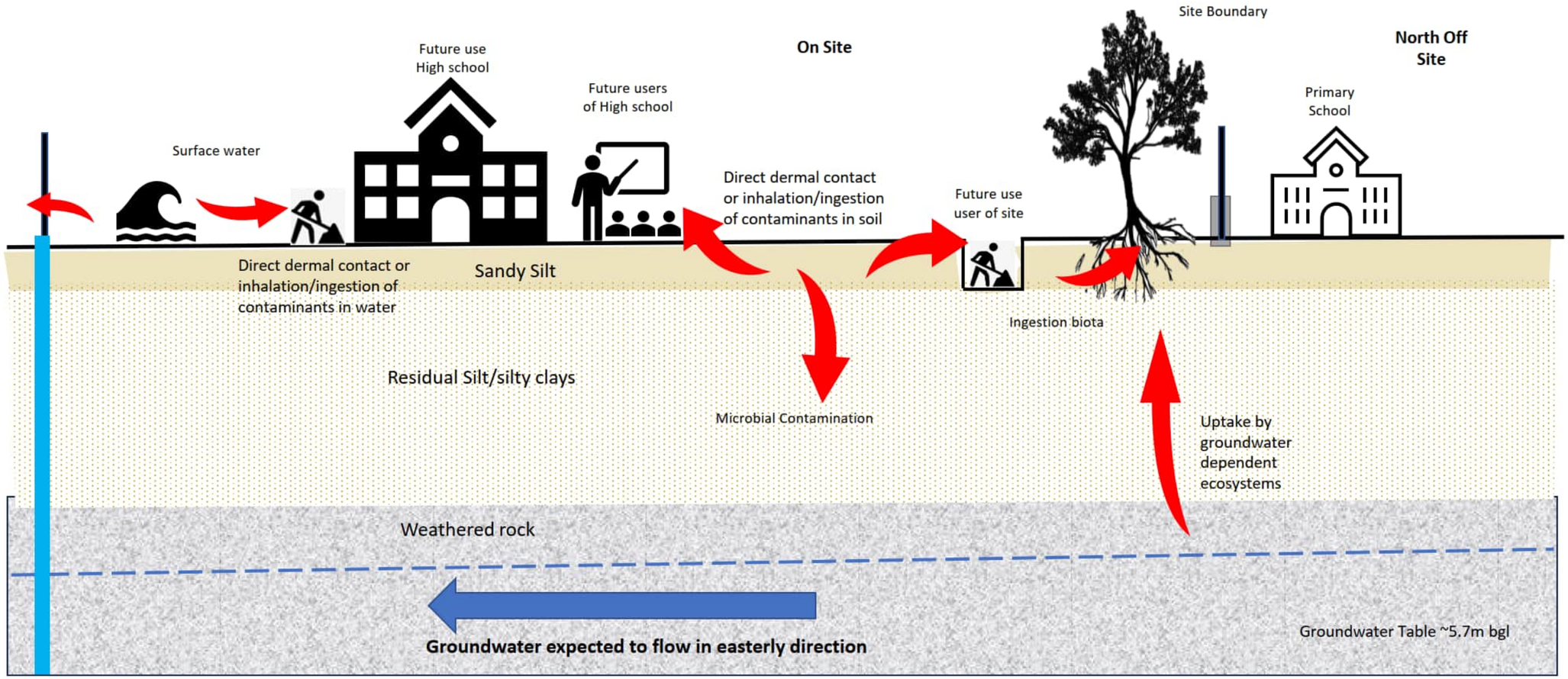
Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	5
FIGURE TITLE:	Groundwater Exceedances
CREATED BY:	FA13847
DATE:	14/02/2024
VERSION:	1
PAGE SIZE:	A3



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Meters

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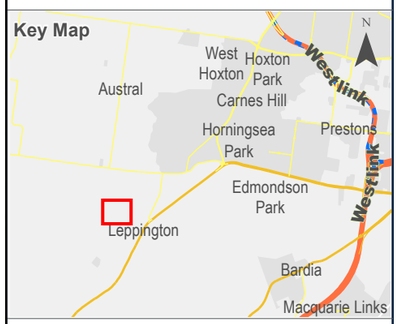

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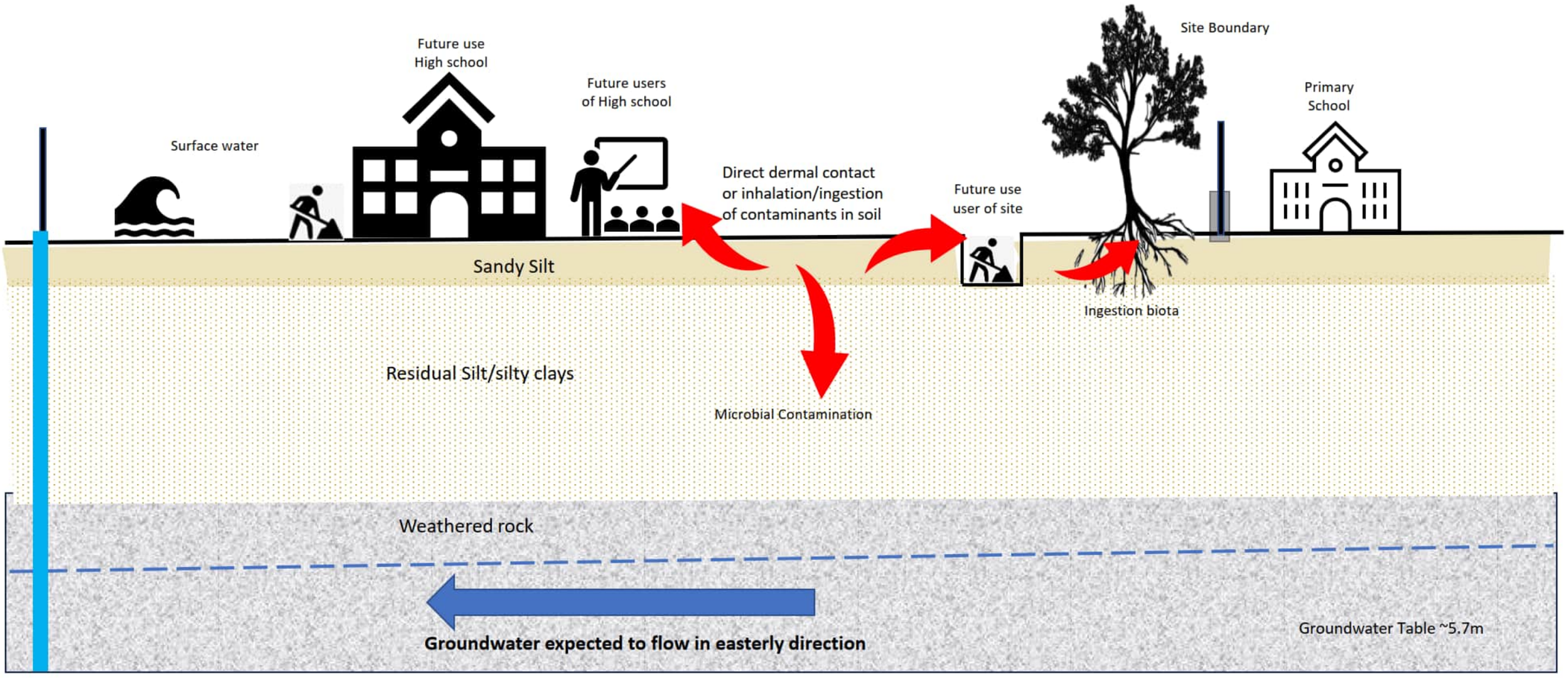
Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	6
FIGURE TITLE:	CSM (Preliminary)
CREATED BY:	
DATE:	13/02/2024
VERSION:	1
PAGE SIZE:	A3



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Meters

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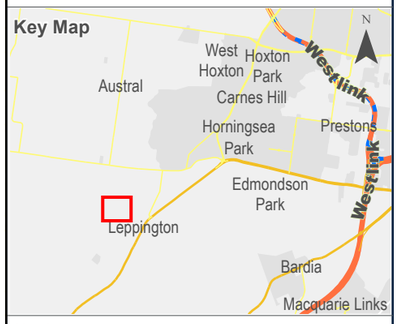

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Coordinate System: GDA2020 MGA Zone 56

PROJECT:	Leppington High School Development DSI
PROJECT NO:	30018043
FIGURE NO:	7
FIGURE TITLE:	CSM (Revised)
CREATED BY:	
DATE:	13/02/2024
VERSION:	1
PAGE SIZE:	A3

Appendix B

Lotsearch

LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 12 Jul 2022 08:56:57

Reference: LS034046 EP

Address: Leppington Public School, Rickard Road, Leppington, NSW 2179

Disclaimer:
The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
You should obtain independent advice before you make any decision based on the information within the report.
The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	17/06/2022	17/06/2022	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	25/06/2019	25/06/2019	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	29/06/2022	06/05/2022	Monthly	1000m	0	0	1
Contaminated Land Records of Notice	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	03/06/2022	14/07/2021	Quarterly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	26/05/2022	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	23/06/2022	13/07/2012	Annually	1000m	0	0	4
EPA PFAS Investigation Program	Environment Protection Authority	06/06/2022	14/07/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	06/06/2022	06/06/2022	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	16/02/2022	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	4	10
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	9	9
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	2
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	0	19
Points of Interest	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	1	1	13
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Major Easements	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	8
State Forest	Forestry Corporation of NSW	25/02/2021	14/02/2021	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	10/02/2022	31/12/2021	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	Annually	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	28/03/2022	23/02/2018	Annually	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	24/01/2022	24/01/2022	Annually	2000m	0	0	22

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
NSW Seamless Geology Single Layer: Rock Units	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	1	1	2
NSW Seamless Geology – Single Layer: Trendlines	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
NSW Seamless Geology – Single Layer: Geological Boundaries and Faults	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	1	1	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	14/10/2020	27/07/2020	Annually	1000m	1	1	2
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	26/05/2022	06/05/2022	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	1
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	1	1	1
Dryland Salinity Potential of Western Sydney	NSW Department of Planning, Industry and Environment	12/05/2017	01/01/2002	None planned	1000m	2	2	2
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	19/08/2021	05/08/2021	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	10	10	10
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	15/11/2021	07/12/2018	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	15/11/2021	05/11/2021	Monthly	1000m	3	8	122
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	19/08/2021	25/06/2021	Quarterly	1000m	0	0	2
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	26/05/2022	01/04/2022	Monthly	1000m	1	1	9
Bush Fire Prone Land	NSW Rural Fire Service	11/07/2022	08/12/2021	Weekly	1000m	0	2	3
Remnant Vegetation of the Cumberland Plain	NSW Office of Environment & Heritage	07/10/2014	04/08/2011	Unknown	1000m	1	2	6
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	28/03/2022	19/03/2020	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	1000m	0	1	2
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	0	1	4
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	11/07/2022	11/07/2022	Weekly	10000m	-	-	-

Site Diagram

Leppington Public School, Rickard Road, Leppington, NSW 2179

Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 109875m²

Total Perimeter: 1.59km

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Scale:

0 25 50 100 150

Meters

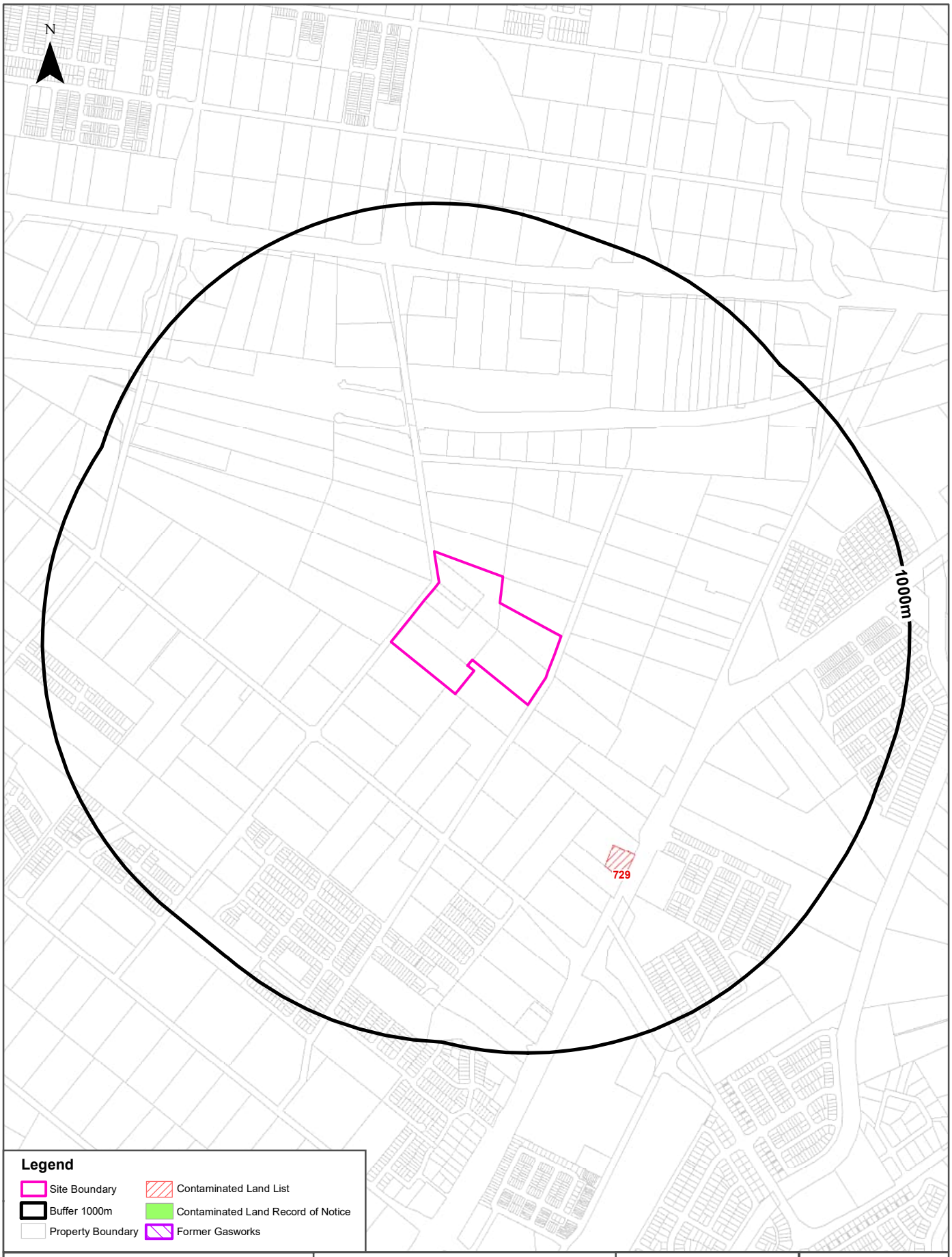
Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 12 July 2022

Contaminated Land

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2022

Coordinate System:
GDA 1994 MGA Zone 56

Date: 12 July 2022

Contaminated Land

Leppington Public School, Rickard Road, Leppington, NSW 2179

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
729	Coles Express Leppington	1443 Camden Valley Way	Leppington	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	468m	South East

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land

Leppington Public School, Rickard Road, Leppington, NSW 2179

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

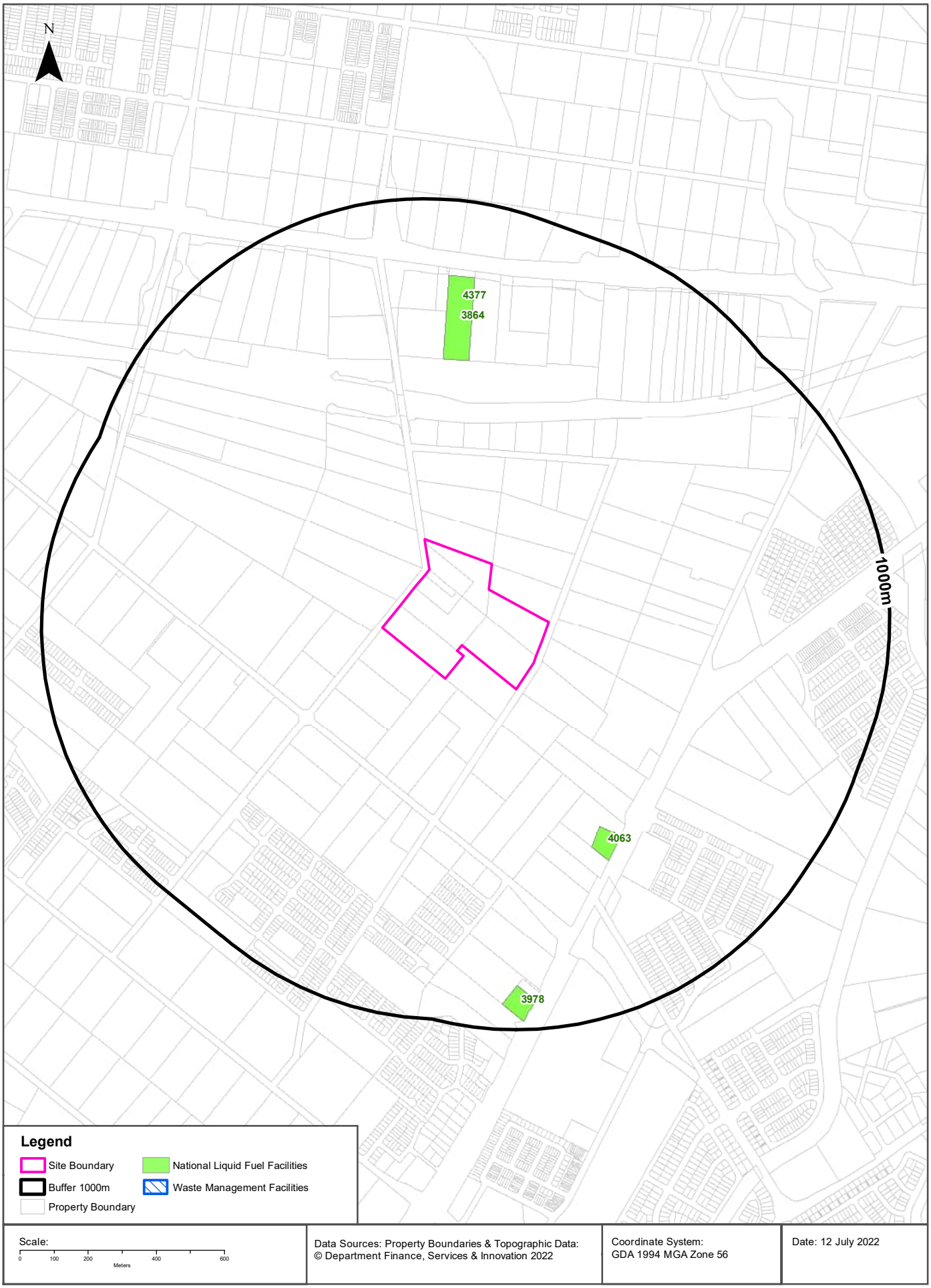
Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

Leppington Public School, Rickard Road, Leppington, NSW 2179



Waste Management & Liquid Fuel Facilities

Leppington Public School, Rickard Road, Leppington, NSW 2179

National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia
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National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
4063	Shell	Coles Express Leppington	1443-1449 Camden Valley Way	Leppington	Petrol Station	Operational		25/07/2011	Premise Match	468m	South East
3864	Mobil	Leppington	Bringelly Road	Leppington	Fuel Depot	Operational		04/10/2012	Premise Match	534m	North
4377	7-Eleven Pty Ltd	Independent Leppington	257-271 Bringelly Road	Leppington	Petrol Station	Operational		13/07/2012	Premise Match	534m	North
3978	BP	BP Leppington	1389 Camden Valley Way	Leppington	Petrol Station	Operational		25/07/2011	Premise Match	869m	South

National Liquid Fuel Facilities Data Source: Geoscience Australia
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PFAS Investigation & Management Programs

Leppington Public School, Rickard Road, Leppington, NSW 2179

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

Leppington Public School, Rickard Road, Leppington, NSW 2179

Defence 3 Year Regional Contamination Investigation Program

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

Leppington Public School, Rickard Road, Leppington, NSW 2179

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

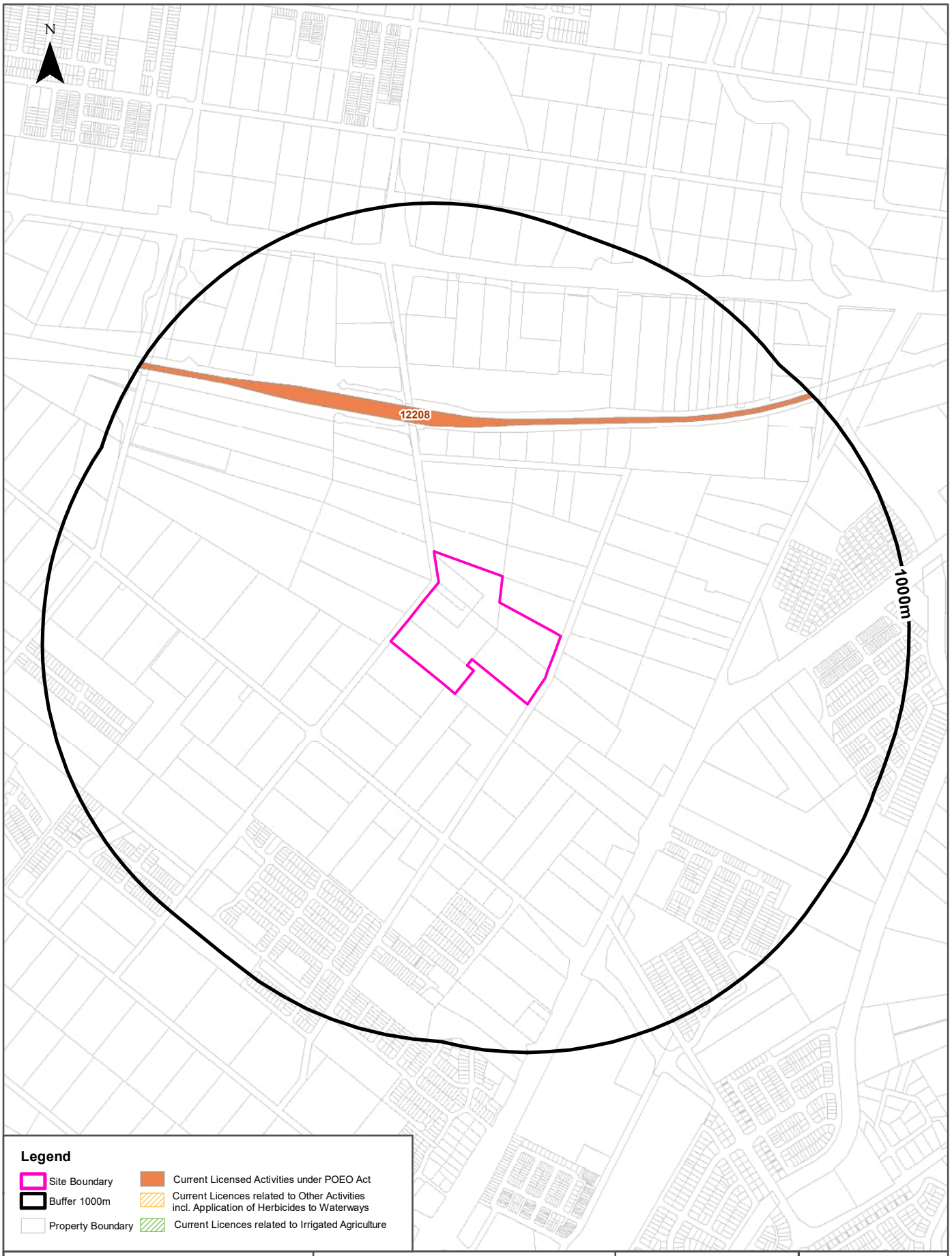
Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Current EPA Licensed Activities

Leppington Public School, Rickard Road, Leppington, NSW 2179



EPA Activities

Leppington Public School, Rickard Road, Leppington, NSW 2179

Licensed Activities under the POEO Act 1997

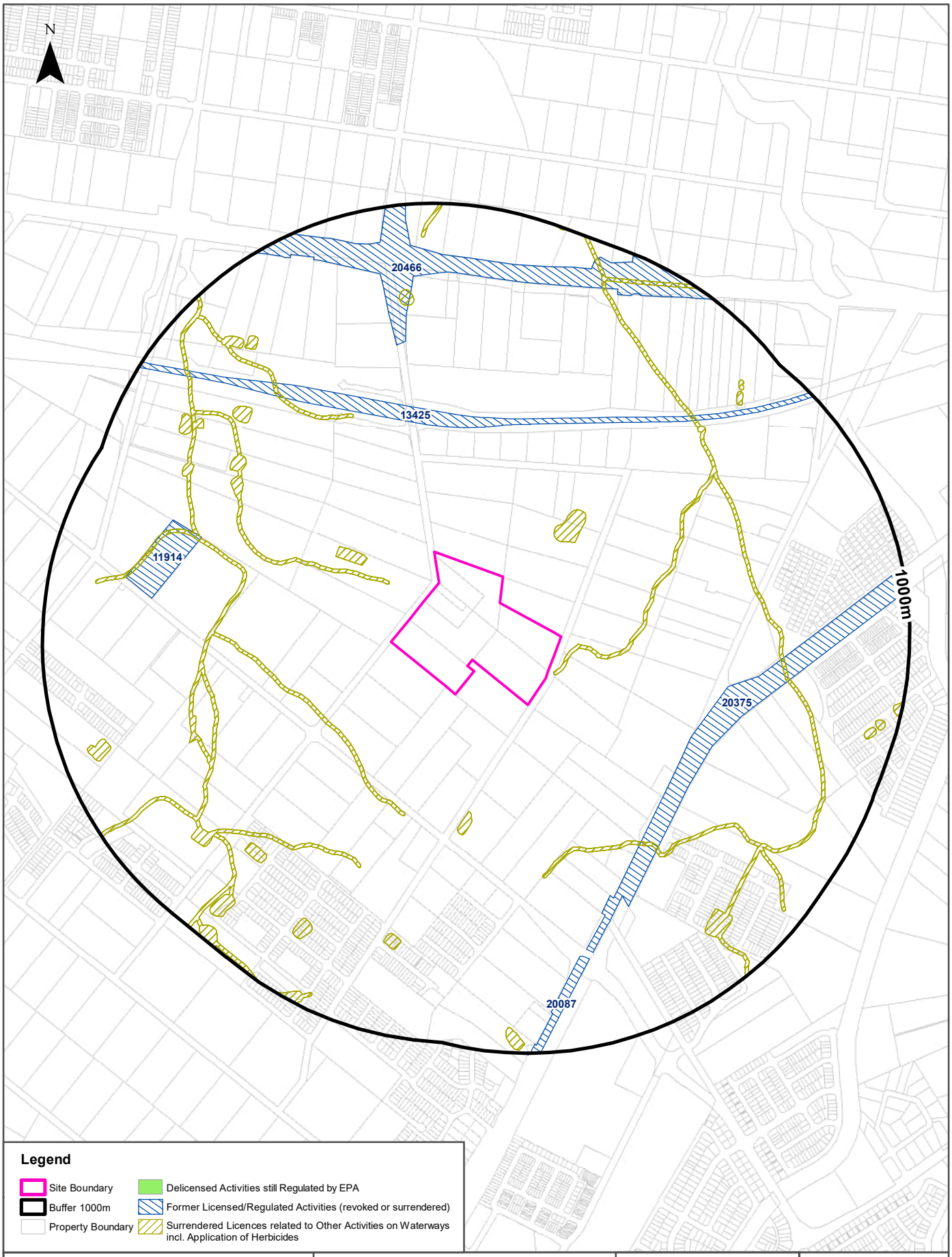
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
12208	SYDNEY TRAINS		SYDNEY TRAINS, HAYMARKET, NSW 1238		Railway systems activities	Network of Features	360m	North

POEO Licence Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

Leppington Public School, Rickard Road, Leppington, NSW 2179



EPA Activities

Leppington Public School, Rickard Road, Leppington, NSW 2179

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	16m	North West
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	16m	North West
5093	CAMDEN COUNCIL	WATERWAYS OF CAMDEN LOCAL GOVERNMENT AREA, -, CAMDEN	Surrendered	28/08/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	16m	North West
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	16m	North West
13425	JOHN HOLLAND PTY LTD	Glenfield to Leppington Rail Line Project, From the existing rail network at Glenfield west to Rossmore., GLENFIELD	Surrendered	04/08/2011	Railway systems activities	Network of Features	360m	North
20375	B.M.D. CONSTRUCTIONS PTY. LIMITED	Camden Valley Way upgrade, Stage 3, Camden Valley Way,Cowpasture Road to Ingleburn Road., LEPPINGTON, NSW 2171, LEPPINGTON	Surrendered	16/12/2013	Road construction	Road Match	450m	East
5176	LIVERPOOL CITY COUNCIL	WATERWAYS OF LIVERPOOL CITY	Surrendered	17/04/2001	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	517m	East
20466	B.M.D. CONSTRUCTIONS PTY. LIMITED	BRINGELLY ROAD UPGRADE STAGE 1, KING STREET TO CAMDEN VALLEY WAY, LEPPINGTON, NSW 2179,	Surrendered	01/09/2014	Land-based extractive activity, Road construction	Road Match	603m	North
11914	KOALA PETROLEUM PTY LTD	KOALA DEPOT, 166 INGLEBURN ROAD, LEPPINGTON	Surrendered	15/07/2003	Petroleum products storage	Premise Match	621m	West

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
20087	ROADS AND MARITIME SERVICES	Camden Valley Way btw Ingleburn Road and Oran Park Drive, 27-31 Argyle Street, PARRAMATTA	Surrendered	20/06/2012	Road construction	Road Match	736m	South

Former Licensed Activities Data Source: Environment Protection Authority
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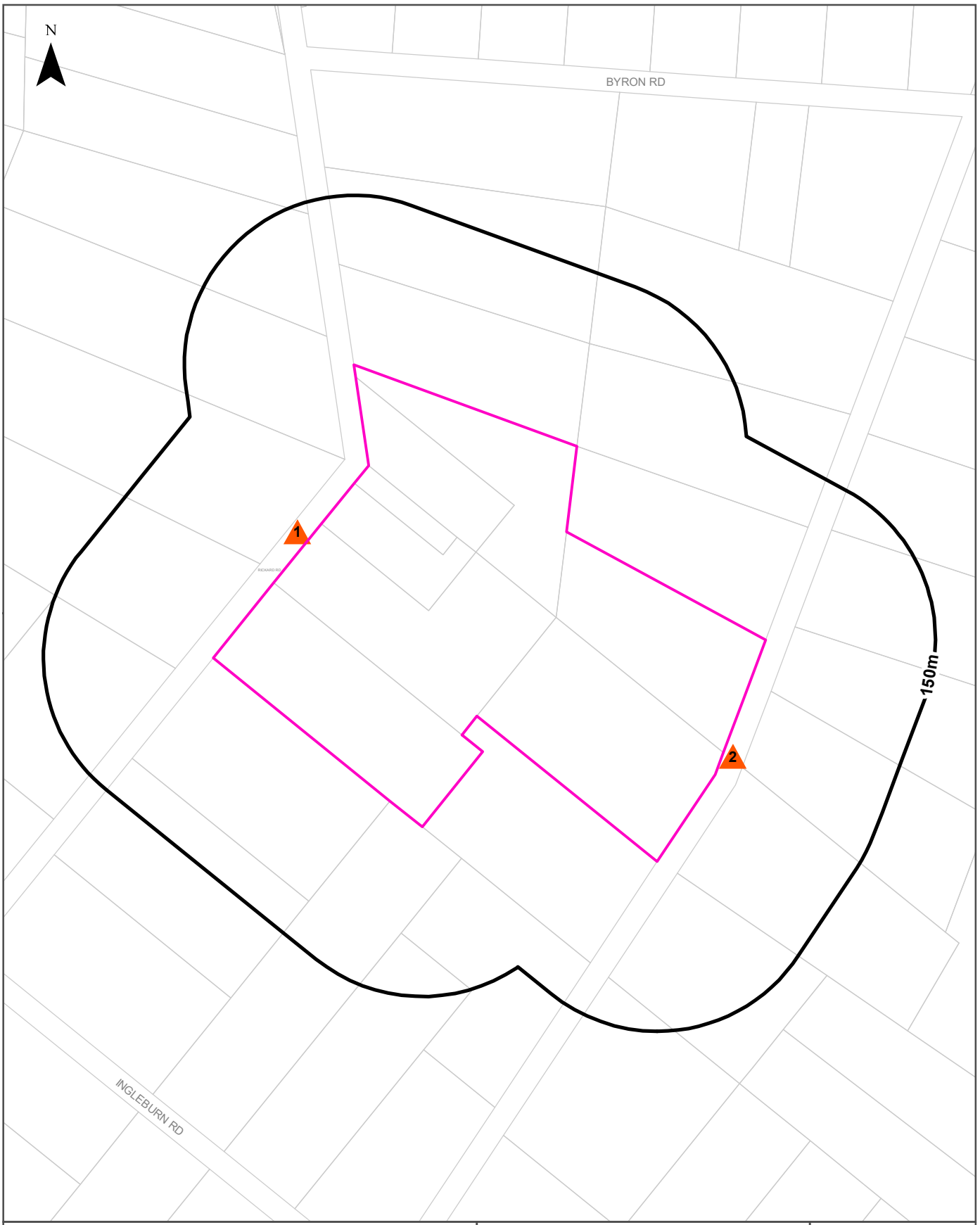
Historical Business Directories

Leppington Public School, Rickard Road, Leppington, NSW 2179



Legend

- Site Boundary
- Buffer 150m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 60 120 180 240 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 12 July 2022

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Historical Business Directories

Leppington Public School, Rickard Road, Leppington, NSW 2179

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1986, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

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Business Directory Records 1950-1991
Road or Area Matches

Universal Business Directory records from years 1991, 1986, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC	Leppington Primary School, Rickard Rd., Leppington. 2171	136448	1982	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Mllat, B., Richard Rd., Leppington	534556	1970	Road Match	0m
	AGRICULTURAL CONTRACTORS	Cox, W. A., Rickard Rd., Camden	192823	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Cox, W. A., Rickard Rd., Camden	192913	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Milat, B., Rickard Rd., Leppington	192915	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS.	Cox, W. A., Rickard Rd., Leppington,	156649	1950	Road Match	0m
	AGRICULTURAL CONTRACTORS	Cox, W. A., Rickard Rd., Leppington, Camden	156566	1950	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS.	Milat, B., Richard Rd., Leppington,	156658	1950	Road Match	0m
2	CARRIERS & CARTAGE CONTRACTORS.	Stubbs, E., Byron Rd., Leppington,	156667	1950	Road Match	0m

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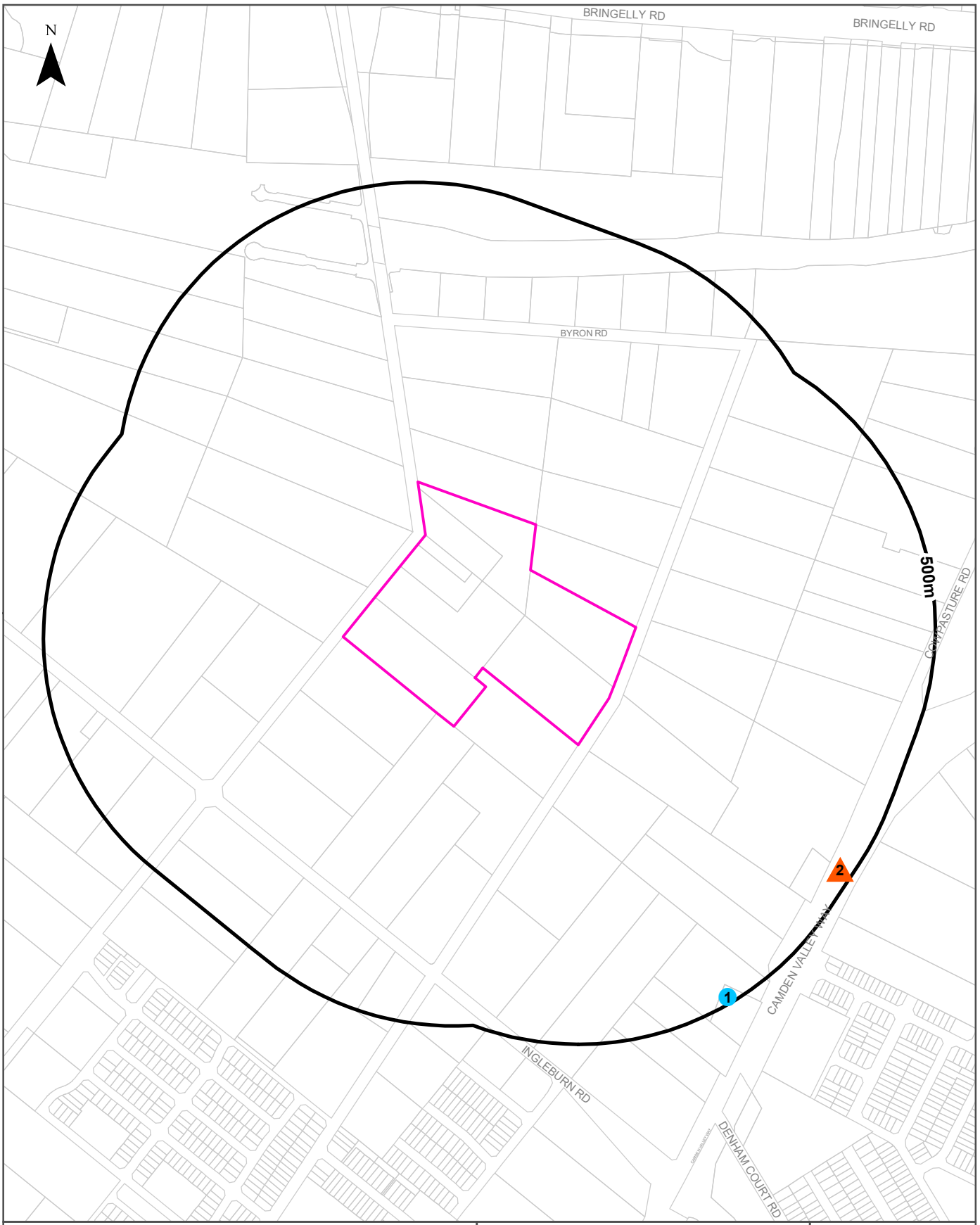
Dry Cleaners, Motor Garages & Service Stations

Leppington Public School, Rickard Road, Leppington, NSW 2179



Legend

- Site Boundary
- Buffer 500m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 120 240 360 480 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 12 July 2022

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Historical Business Directories

Leppington Public School, Rickard Road, Leppington, NSW 2179

Dry Cleaners, Motor Garages & Service Stations 1948-1993 Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MOTOR GARAGES & ENGINEERS	Gray, A. H., Hume Highway., Leppington	193150	1961	Premise Match	468m	South East
	MOTOR GARAGES & ENGINEERS	Gray, C, B. W. and R. F., Hume Highway., Leppington	193151	1961	Premise Match	468m	South East

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Dry Cleaners, Motor Garages & Service Stations 1948-1993 Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
2	MOTOR GARAGES & SERVICE STATIONS.	Caltex Leppington Service Station, 158 Camden Valley Way., Leppington. 2171	18787	1993	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	Leppington Service Station, Camden Valley Way., Leppington. 2171	19067	1993	Road Match	450m
	Motor Garages & Service Stations	BP Regina Service Station, Hume H'way., Leppington 2171	53597	1991	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	BP Regina Service Station, Hume Hghwy, Leppington. 2171	11197	1990	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	Leppington Service Station, Hume Hghwy, Leppington. 2171	11772	1990	Road Match	450m
	MOTOR GARAGE & SERVICE STATIONS.	Leppington Service Station, Hume Hghwy., Leppington. 2171	5173	1989	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	BP Regina Service Station, Hume Hghwy, Leppington. 2171	53749	1988	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	Leppington Service Station, Hume Hghwy, Leppington. 2171	59523	1988	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	BP Regina Service Station, Hume H'way., Leppington. 2171	64213	1986	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	Leppington Service Station, Hume H'way., Leppington. 2171	64982	1986	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	BP Regina Service Station, Hume Hghwy, Leppington. 2171	39220	1985	Road Match	450m
	MOTOR GARAGES & SERVICE STATIONS.	Leppington Service Station, Hume Hghwy, Leppington. 2171	45085	1985	Road Match	450m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Regina Service Station, Hume Hghwy, Leppington. 2171	27824	1984	Road Match	450m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Leppington Service Station, Hume Hghwy, Leppington. 2171	28584	1984	Road Match	450m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Regina Service Station., Hume H'way., Leppington. 2171	14260	1983	Road Match	450m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Leppington Service Station., Hume H'way., Leppington 2171	15015	1983	Road Match	450m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Regina Milk Bar, Hume Highway., Leppington	193181	1961	Road Match	450m
	MOTOR GARAGES & ENGINEERS	Garrard & Nelson Hume Highway, Leppington	156870	1950	Road Match	450m
	MOTOR GARAGES & ENGINEERS	Greenwood, E. D., Hume Highway., Leppington	156887	1950	Road Match	450m

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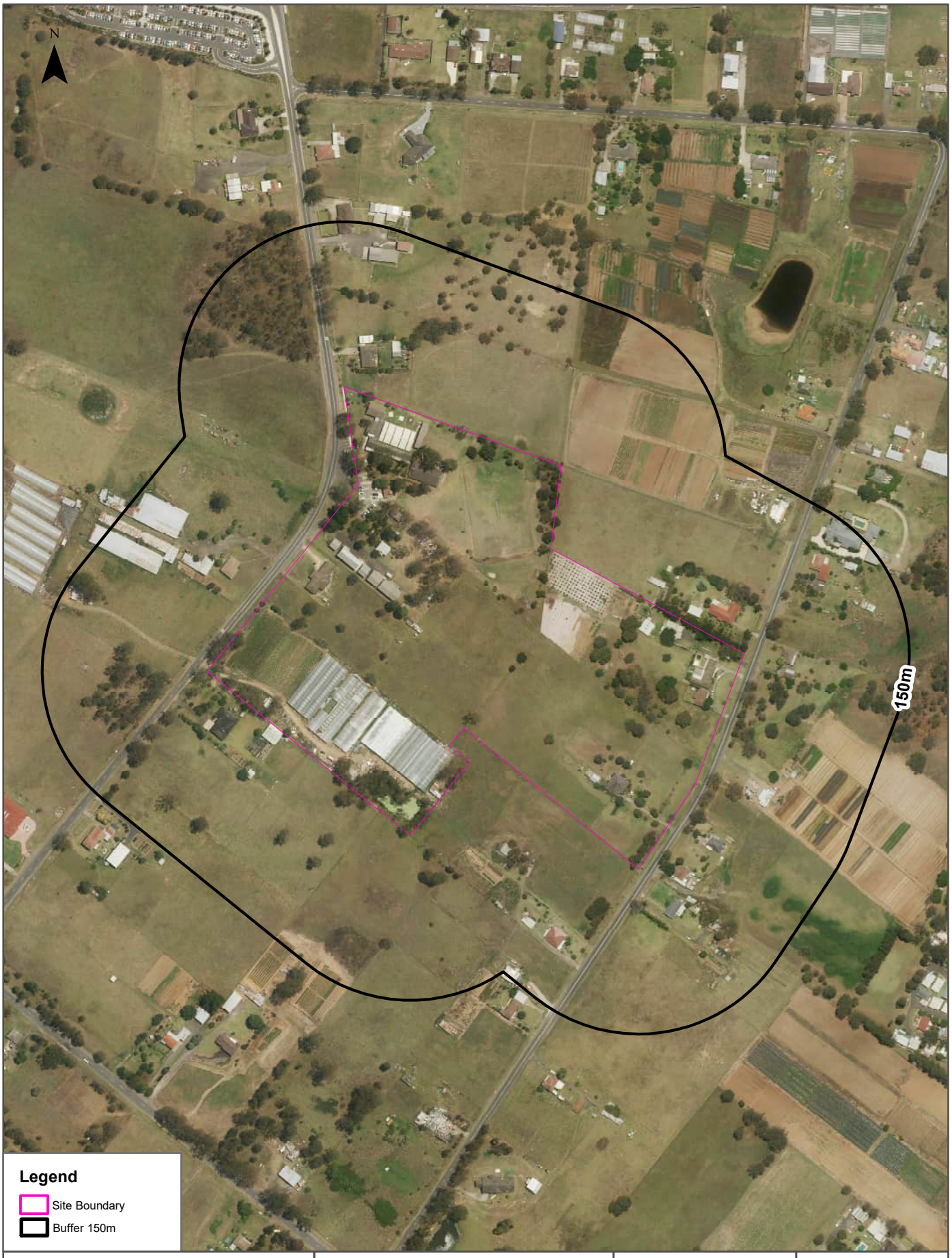
Aerial Imagery 2021

Leppington Public School, Rickard Road, Leppington, NSW 2179

Scale: 0 50 100 150 200 Meters	Data Source Aerial Imagery: © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 12 July 2022

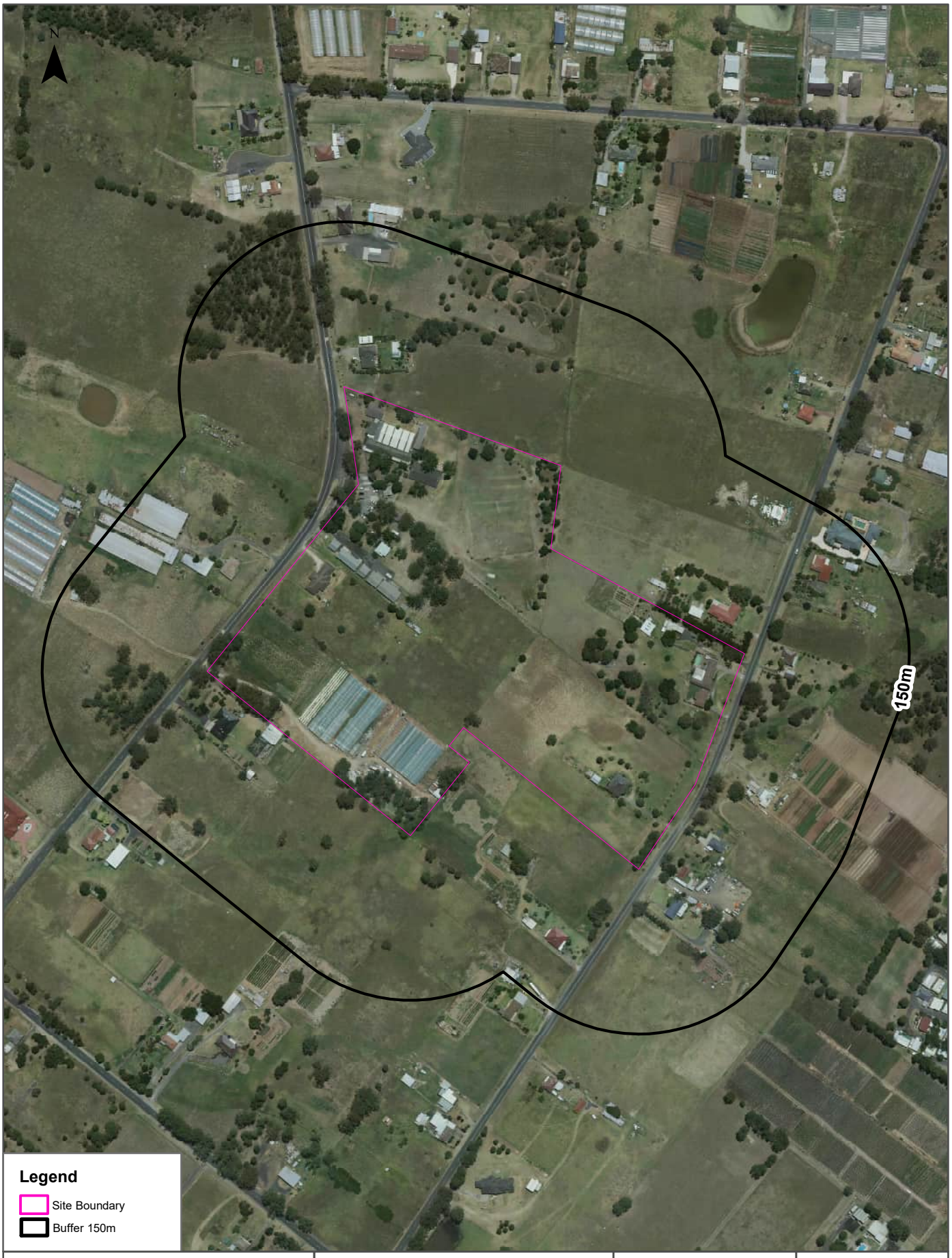
Aerial Imagery 2016

Leppington Public School, Rickard Road, Leppington, NSW 2179



Aerial Imagery 2011

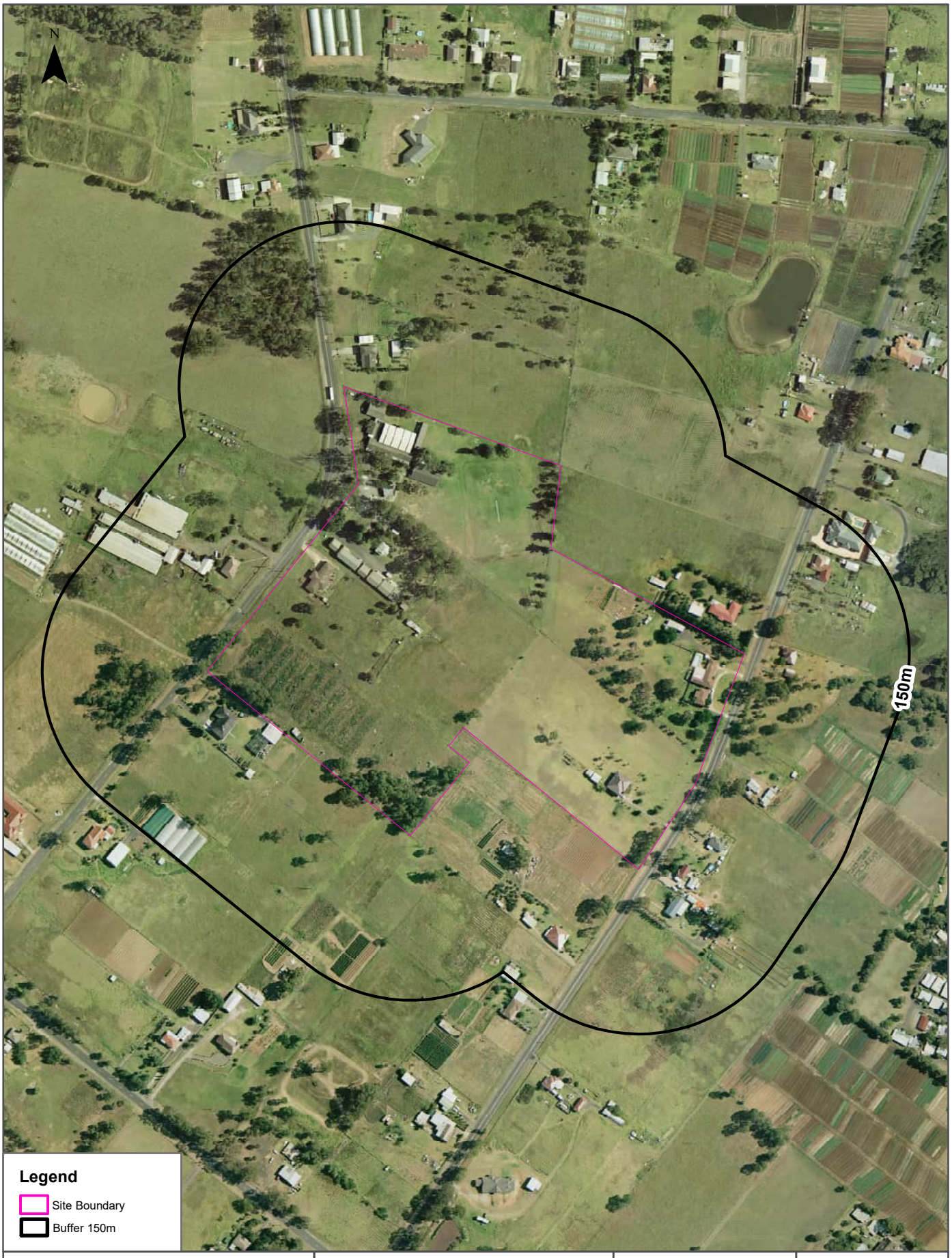
Leppington Public School, Rickard Road, Leppington, NSW 2179



Scale: 0 50 100 150 200 Meters	Data Source Aerial Imagery: © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 12 July 2022

Aerial Imagery 2005

Leppington Public School, Rickard Road, Leppington, NSW 2179

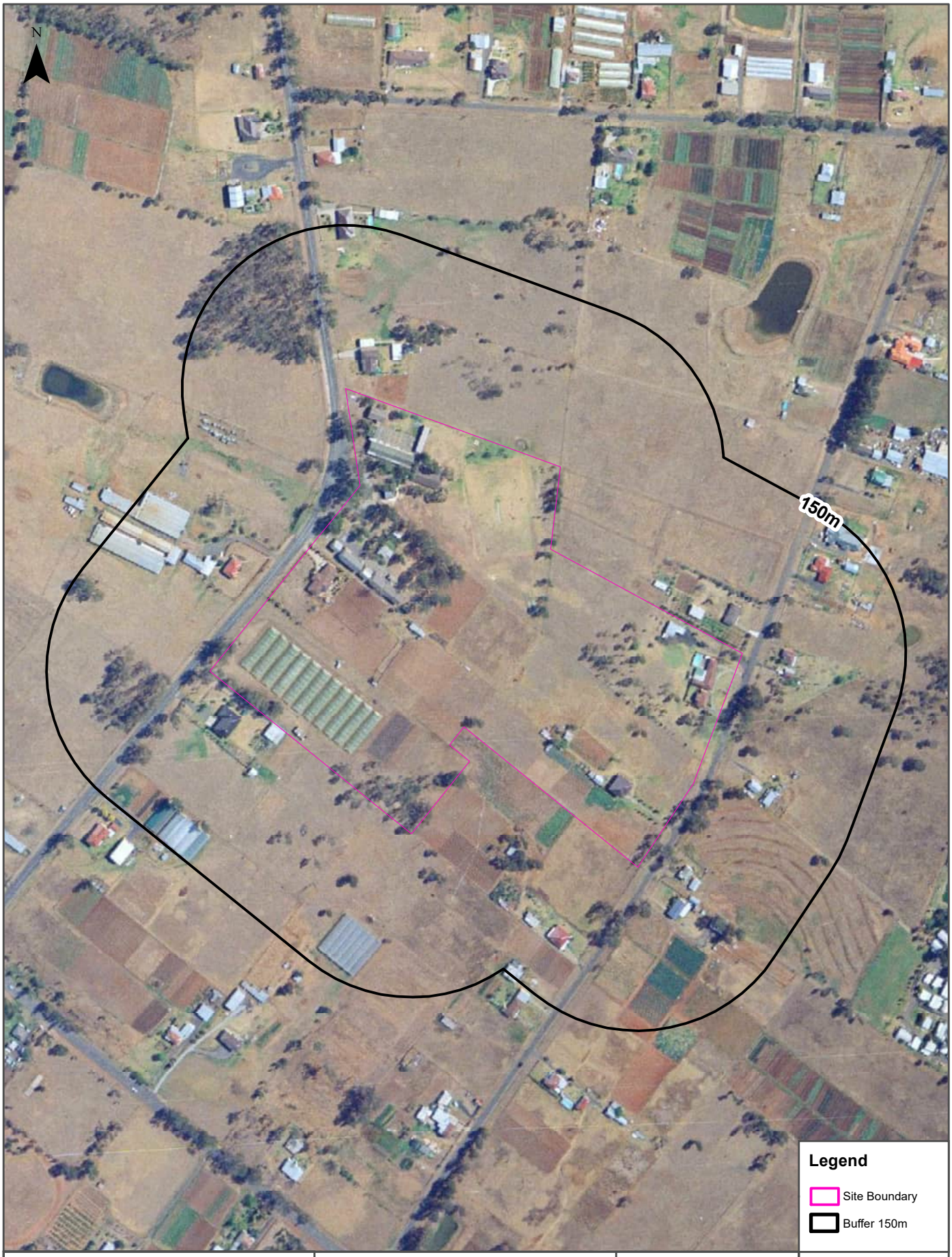


Aerial Imagery 2000

Leppington Public School, Rickard Road, Leppington, NSW 2179

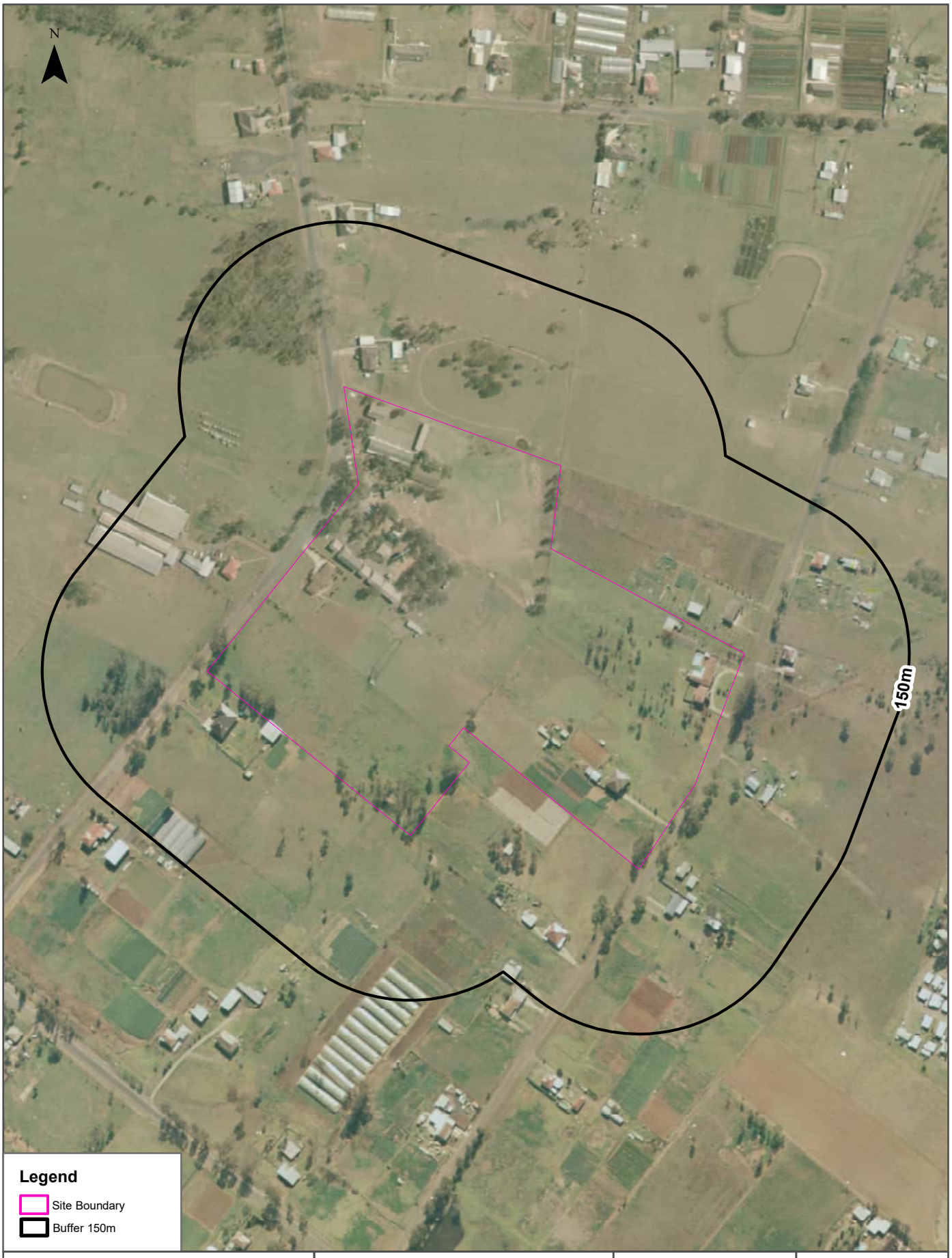
Aerial Imagery 1994

Leppington Public School, Rickard Road, Leppington, NSW 2179



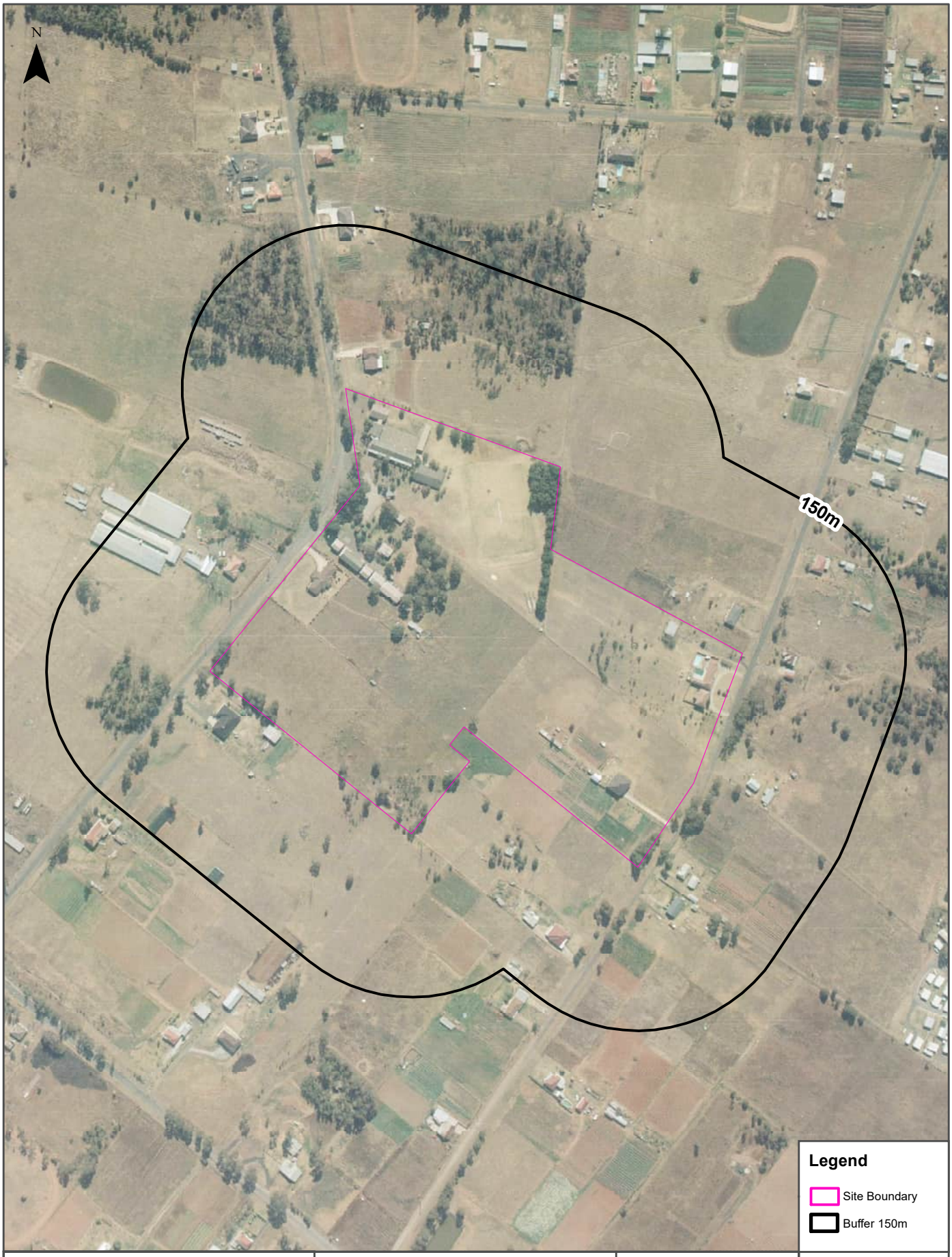
Aerial Imagery 1991

Leppington Public School, Rickard Road, Leppington, NSW 2179



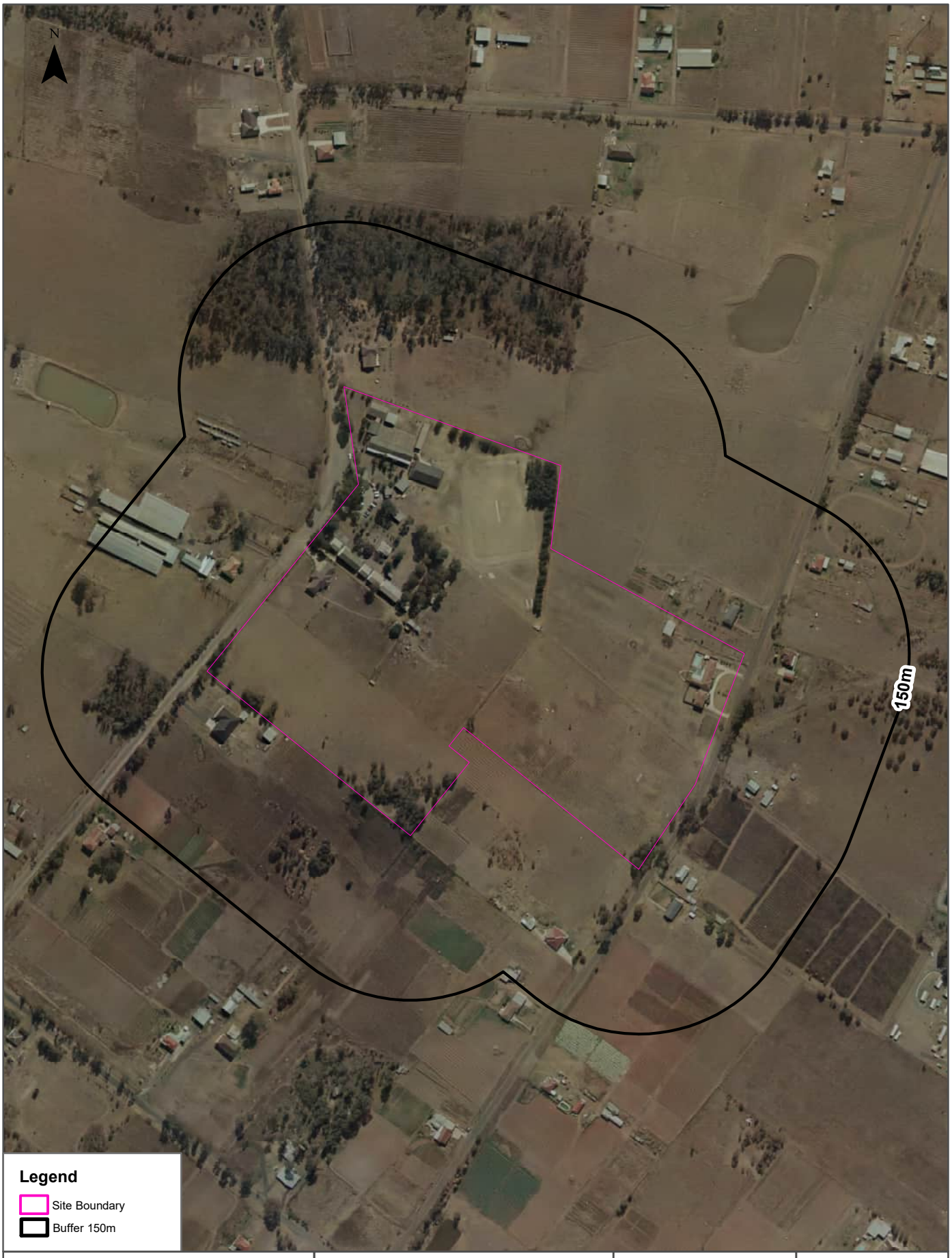
Aerial Imagery 1986

Leppington Public School, Rickard Road, Leppington, NSW 2179



Aerial Imagery 1982

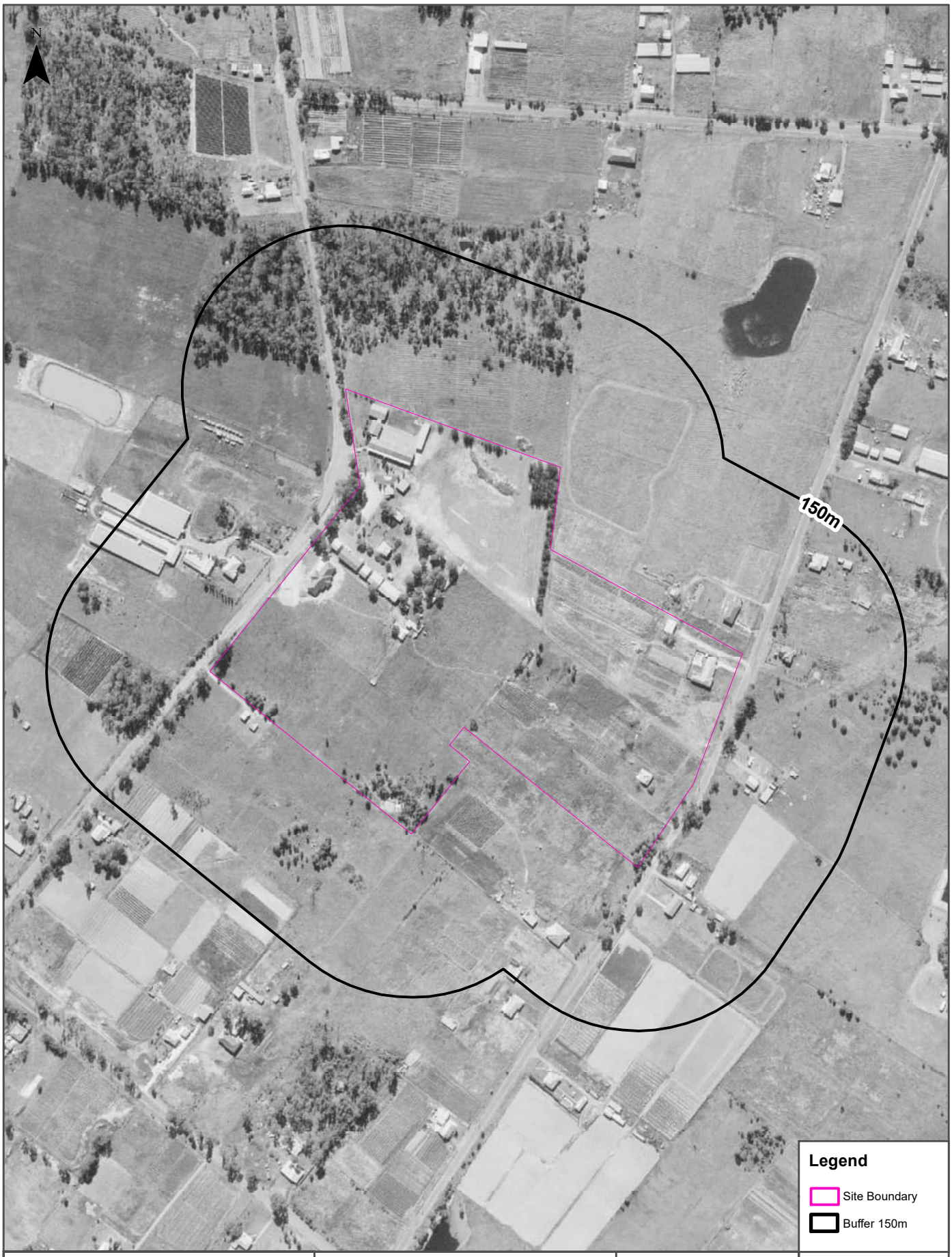
Leppington Public School, Rickard Road, Leppington, NSW 2179



Scale: 0 50 100 150 200 Meters	Data Sources: Aerial Imagery: © NSW Department of Customer Service	Coordinate System: GDA 1994 MGA Zone 56	Date: 12 July 2022

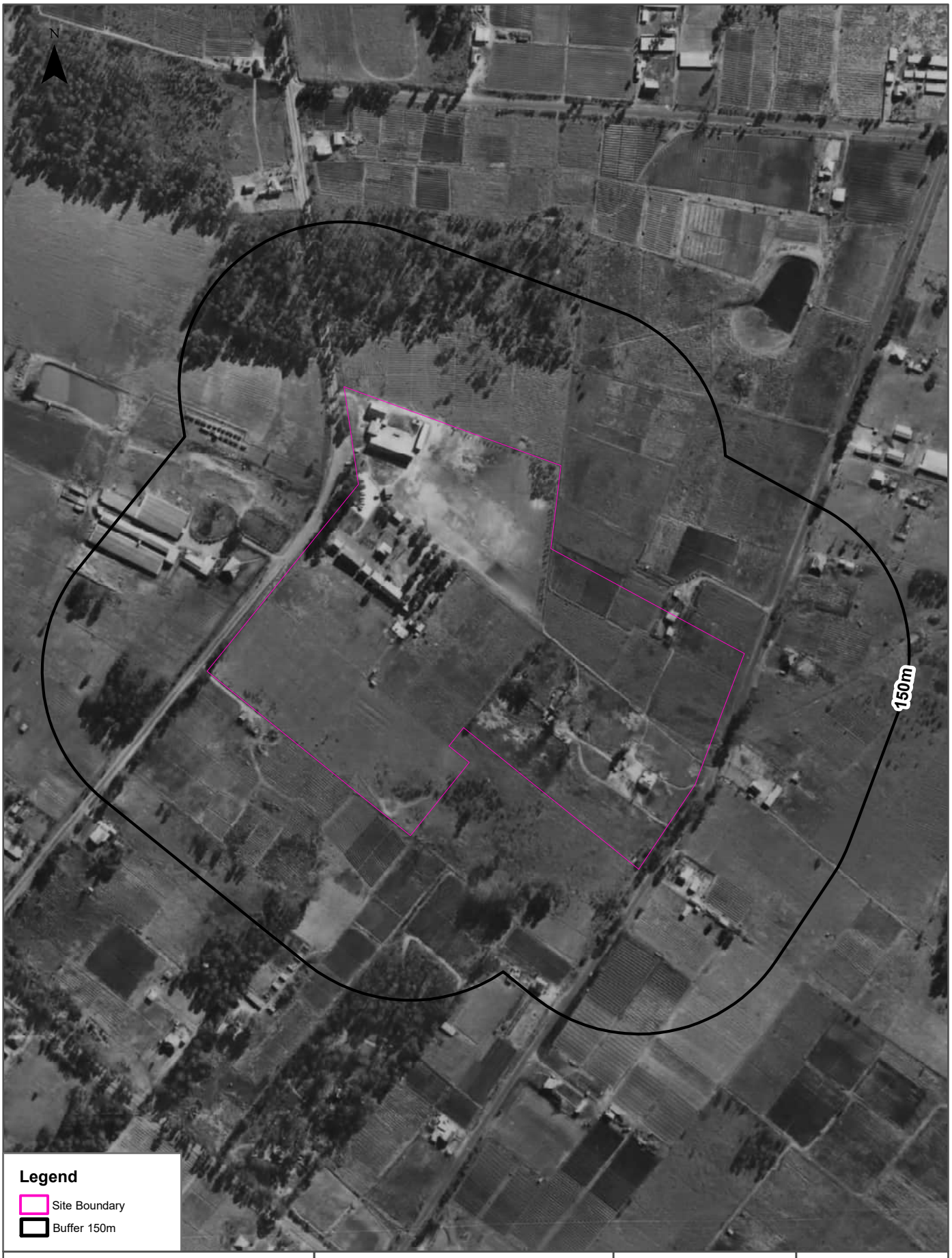
Aerial Imagery 1978

Leppington Public School, Rickard Road, Leppington, NSW 2179



Aerial Imagery 1970

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56

Date: 12 July 2022

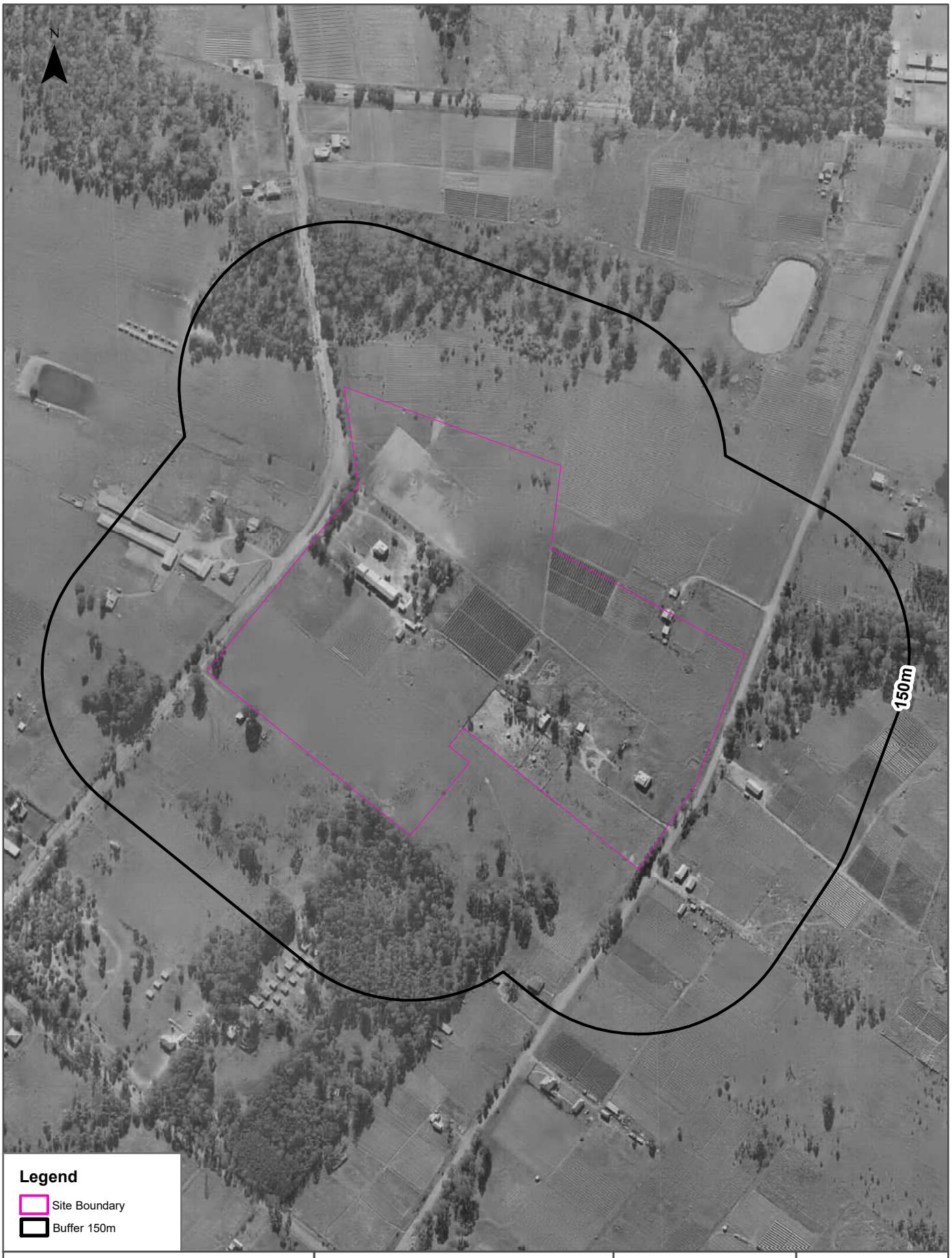
Aerial Imagery 1965

Leppington Public School, Rickard Road, Leppington, NSW 2179

Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 11 July 2022
0 50 100 150 200 Meters	© NSW Department of Customer Service	GDA 1994 MGA Zone 56	

Aerial Imagery 1961

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56

Date: 12 July 2022

Aerial Imagery 1955, 1956

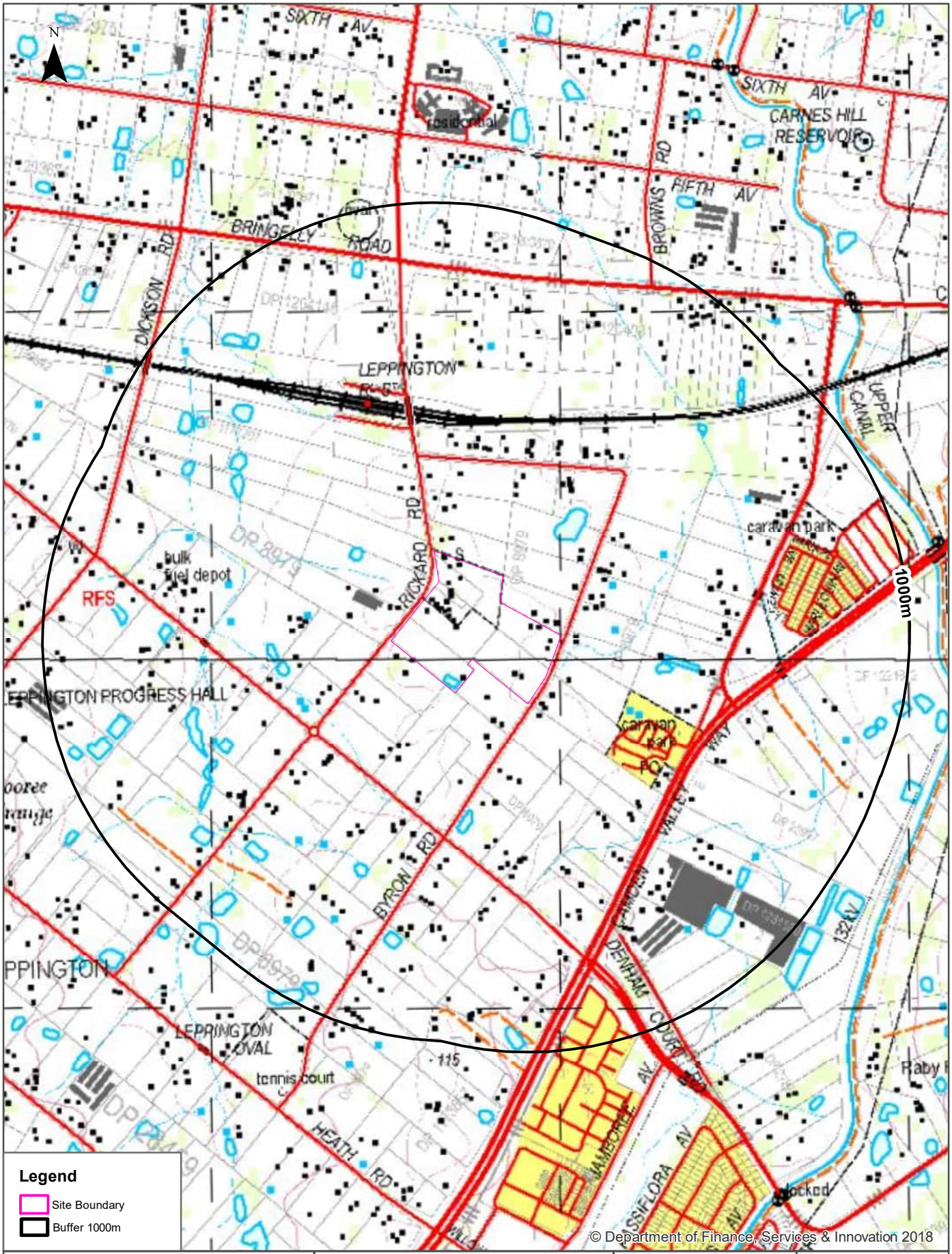
Leppington Public School, Rickard Road, Leppington, NSW 2179

Aerial Imagery 1949

Leppington Public School, Rickard Road, Leppington, NSW 2179

Topographic Map 2015

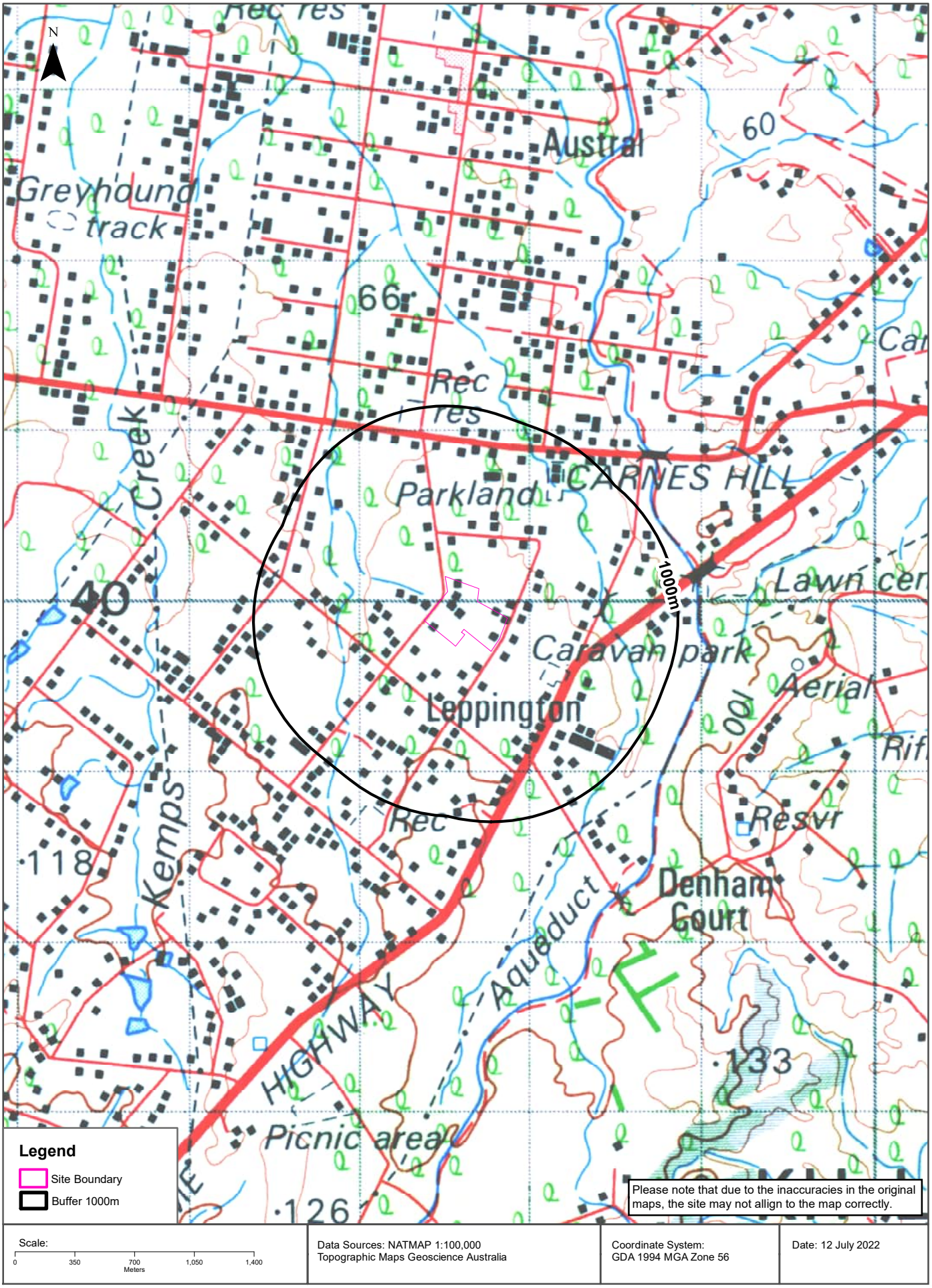
Leppington Public School, Rickard Road, Leppington, NSW 2179



Scale: 0 175 350 525 700 Meters	Data Sources: Topographic Map Data © NSW Land and Property Information	Coordinate System: GDA 1994 MGA Zone 56	Date: 12 July 2022

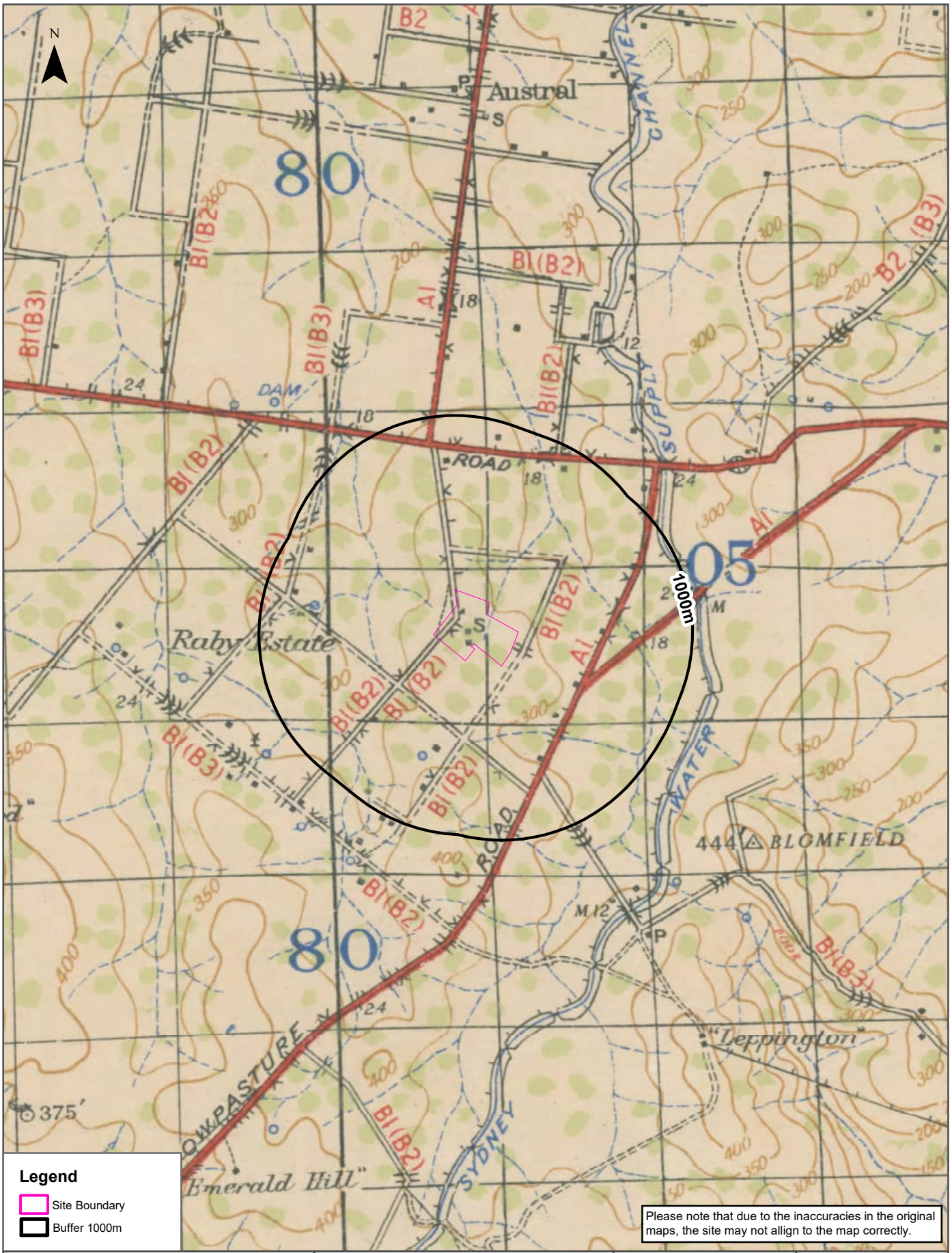
Historical Map 1975

Leppington Public School, Rickard Road, Leppington, NSW 2179



Historical Map c.1942

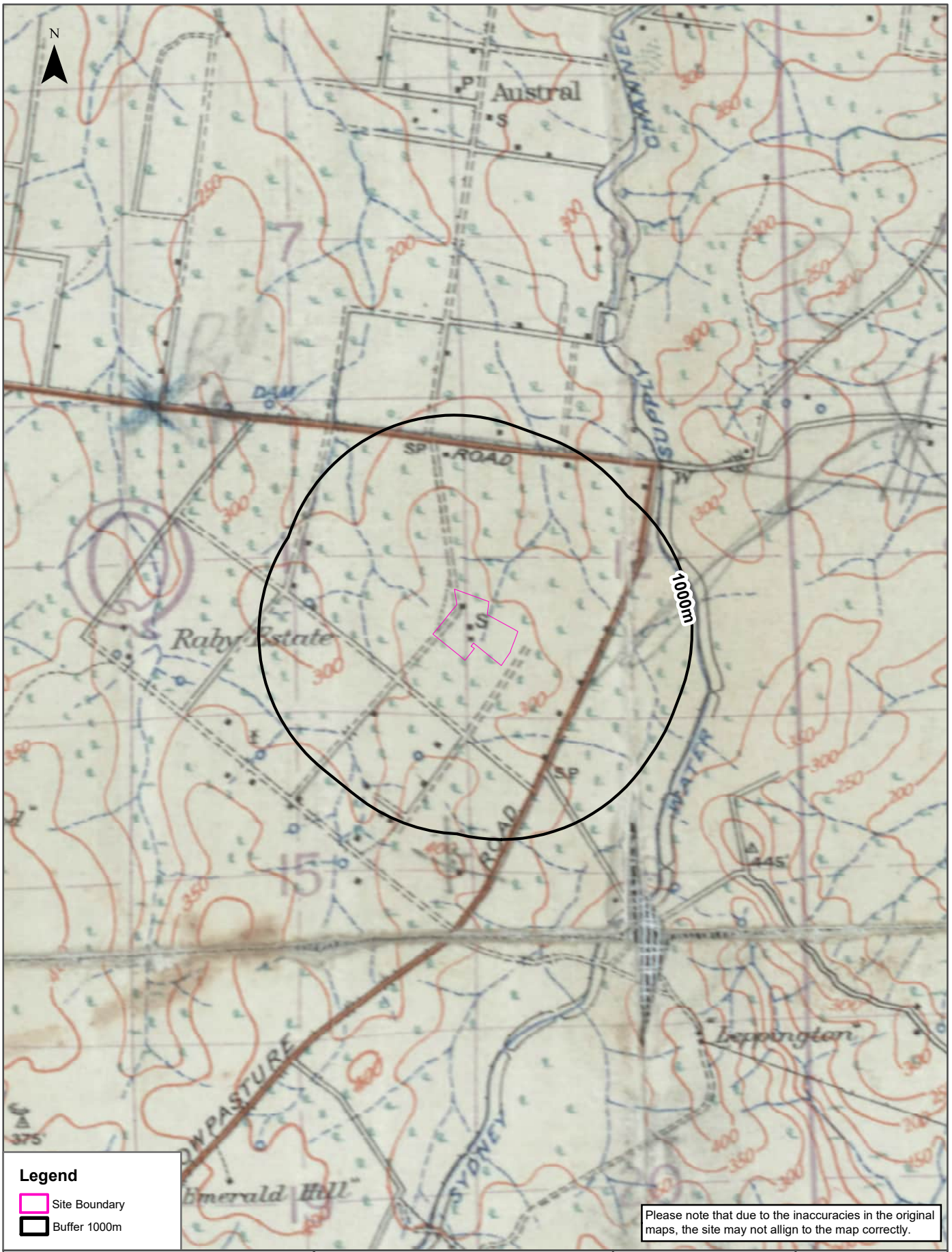
Leppington Public School, Rickard Road, Leppington, NSW 2179



Scale:	Data Sources: Australia 1:63360 Produced by Australian Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 56	Date: 12 July 2022

Historical Map c.1929

Leppington Public School, Rickard Road, Leppington, NSW 2179



Scale: 0 350 700 1,050 1,400 Meters

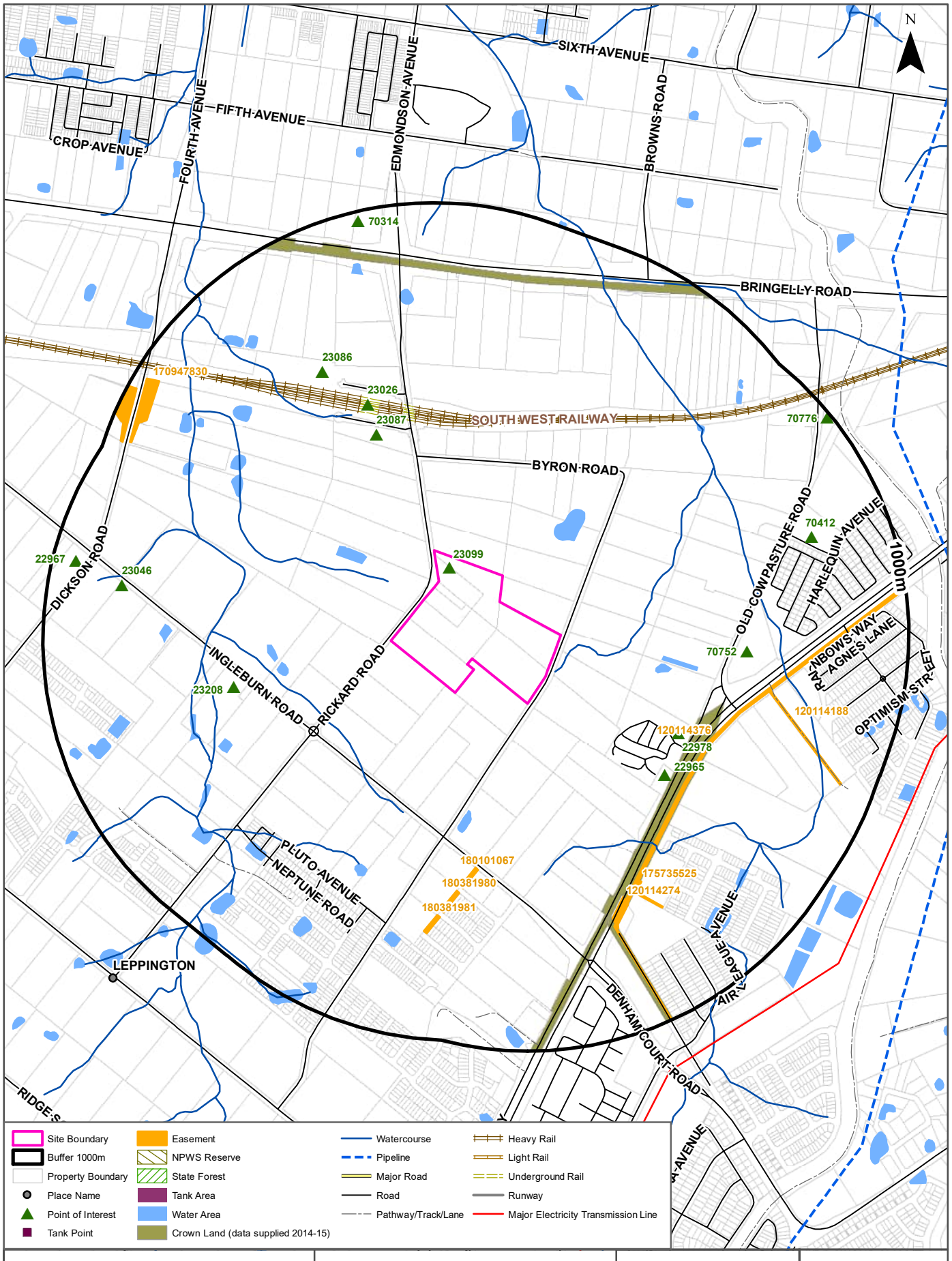
Data Sources: Australia 1:63360
Produced by Australian Section Imperial General Staff

Coordinate System:
GDA 1994 MGA Zone 56

Date: 12 July 2022

Topographic Features

Leppington Public School, Rickard Road, Leppington, NSW 2179



Topographic Features

Leppington Public School, Rickard Road, Leppington, NSW 2179

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
23099	Primary School	LEPPINGTON PUBLIC SCHOOL	0m	On-site
23087	Parking Area	Parking Area	373m	North West
22978	Tourist Park / Home Village	FOUR LANTERNS ESTATE	415m	South East
22965	Post Office	LEPPINGTON POST OFFICE	442m	South East
23026	Railway Station	LEPPINGTON RAILWAY STATION	462m	North West
23208	Community Facility	LEPPINGTON PROGRESS HALL	471m	West
70752	Community Facility	ISTRA CLUB	537m	East
23086	Parking Area	Parking Area	608m	North West
70412	Tourist Park / Home Village	ANTEGRA ESTATE RETIREMENT VILLAGE	774m	East
23046	Firestation - Bush	LEPPINGTON RFB	790m	West
22967	Place Of Worship	CATHOLIC CHURCH	934m	West
70314	Sports Field	OVAL	973m	North
70776	Ambulance Station	LEPPINGTON PRP	988m	North East

Topographic Data Source: © Land and Property Information (2015)
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Topographic Features

Leppington Public School, Rickard Road, Leppington, NSW 2179

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks Data Source: © Land and Property Information (2015)
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Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
180101067	Primary	Right of way	10.98m	494m	South
120114376	Primary	Undefined		499m	South East
180381980	Primary	Right of way	variable	569m	South
175735525	Primary	Right of way	5	604m	South East
120114274	Primary	Undefined		619m	South East
120114188	Primary	Undefined		623m	East
180381981	Primary	Right of way	variable	640m	South
170947830	Secondary	Easement for Access		907m	North West

Easements Data Source: © Land and Property Information (2015)
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Topographic Features

Leppington Public School, Rickard Road, Leppington, NSW 2179

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)
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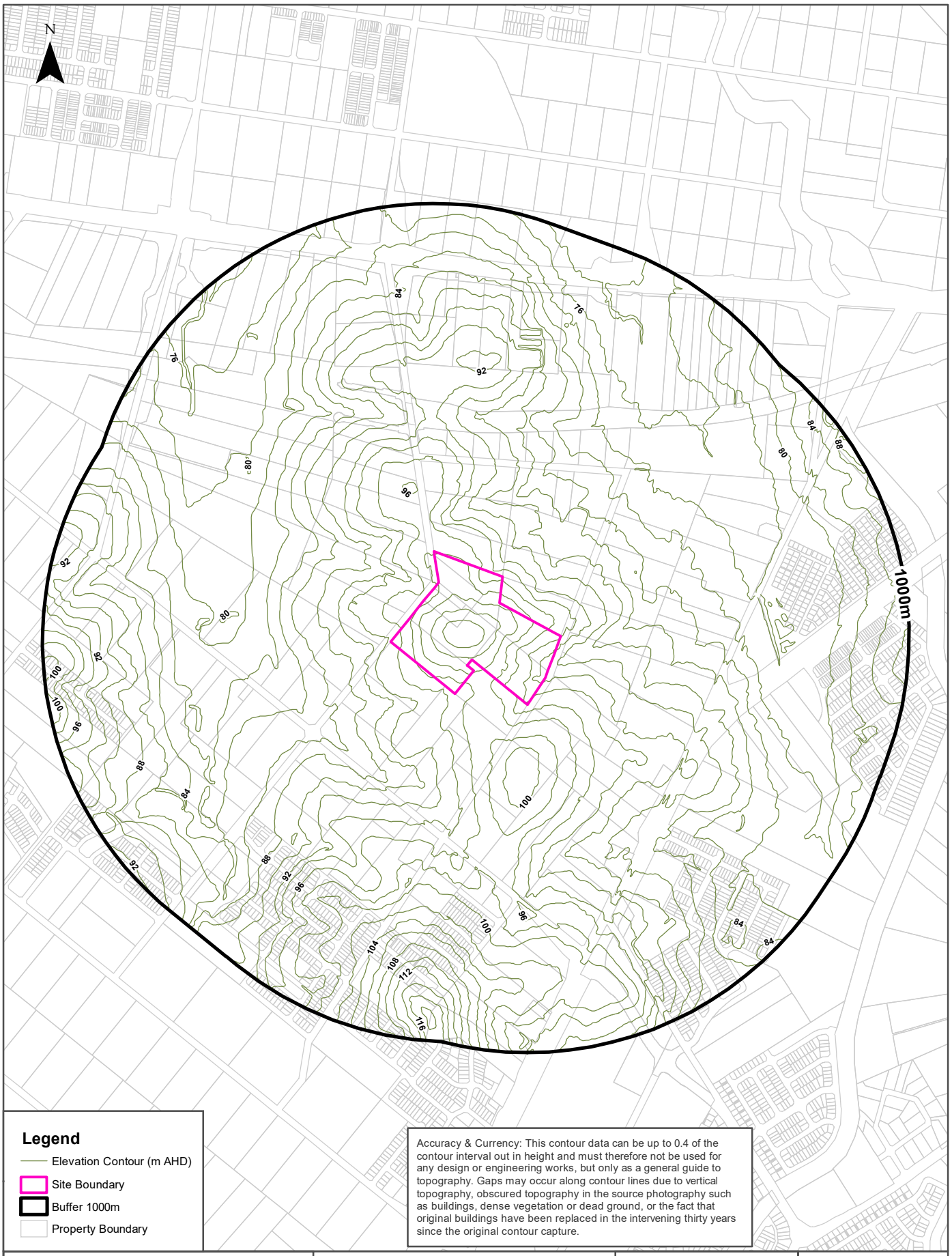
Elevation Contours (m AHD)

Leppington Public School, Rickard Road, Leppington, NSW 2179



Hydrogeology & Groundwater

Leppington Public School, Rickard Road, Leppington, NSW 2179

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive aquifers of low to moderate productivity	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

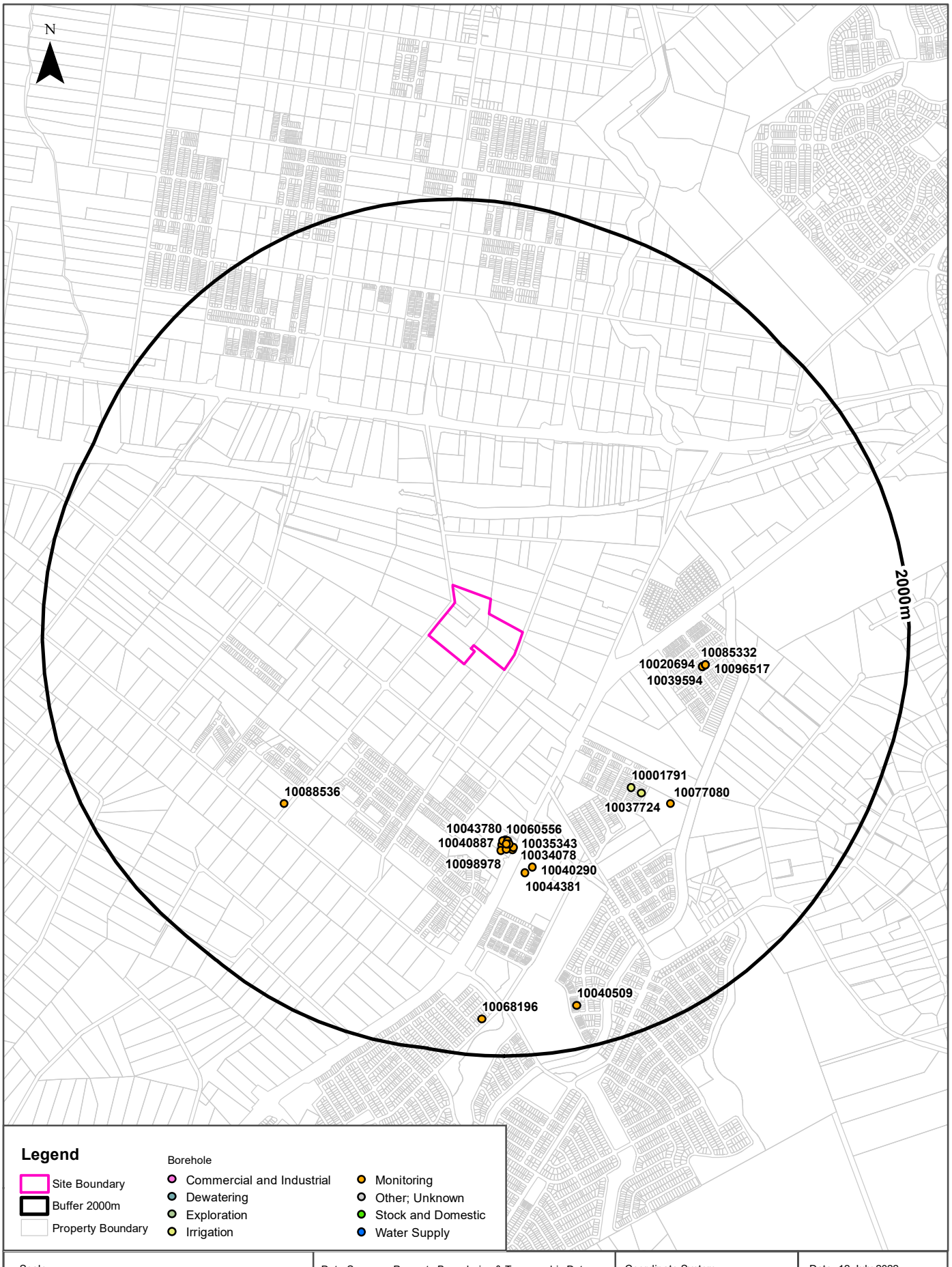
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

Leppington Public School, Rickard Road, Leppington, NSW 2179



Hydrogeology & Groundwater

Leppington Public School, Rickard Road, Leppington, NSW 2179

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10043780	GW110358	Monitoring	Unknown	28/04/2009	7.00		AHD			4.90	882m	South
10095147	GW110361	Monitoring	Unknown	27/04/2009	6.00		AHD			3.50	885m	South
10060556	GW110357	Monitoring	Unknown	27/04/2009	5.00		AHD			4.40	886m	South
10001791	GW058734	Irrigation	Unknown	01/09/1981			AHD	Poor			898m	South East
10113387	GW110360	Monitoring	Unknown	27/04/2009	6.00		AHD			2.80	901m	South
10114402	GW110359	Monitoring	Unknown	27/04/2009	6.00		AHD			2.90	902m	South
10040887	GW110356	Monitoring	Unknown	27/04/2009	6.00		AHD			2.50	906m	South
10035343	GW110364	Monitoring	Unknown	27/04/2009	6.00		AHD			2.80	923m	South
10108663	GW110355	Monitoring	Unknown	27/04/2009	6.00		AHD			2.20	929m	South
10034078	GW110363	Monitoring	Unknown	27/04/2009	6.00		AHD			2.40	932m	South
10098978	GW110362	Monitoring	Unknown	28/04/2009	5.00		AHD			1.80	935m	South
10020694	GW112659	Monitoring	Functional	23/02/2012	8.60		AHD				950m	East
10039594	GW111851	Monitoring	Functional	23/02/2012	8.60		AHD			2.49	950m	East
10037724	GW058735	Irrigation	Unknown	01/09/1981			AHD	Poor			957m	South East
10085332	GW112662	Monitoring	Functional	23/02/2012	8.90		AHD				962m	East
10096517	GW112663	Monitoring	Functional	22/02/2012	9.00		AHD				962m	East
10040290	GW113116	Monitoring	Functional	22/02/2012	9.00		AHD				1032m	South
10044381	GW112435	Monitoring	Functional	22/02/2012	9.00		AHD			8.50	1058m	South
10077080	GW111852	Monitoring	Functional	22/02/2012	6.00		AHD			1.50	1107m	South East
10088536	GW112660	Monitoring	Functional	22/02/2012	6.00		AHD				1149m	South West
10040509	GW113117	Monitoring	Functional	24/02/2012	8.91		AHD				1781m	South
10068196	GW113118	Monitoring	Functional	22/02/2012	9.00		AHD				1813m	South

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Hydrogeology & Groundwater

Leppington Public School, Rickard Road, Leppington, NSW 2179

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

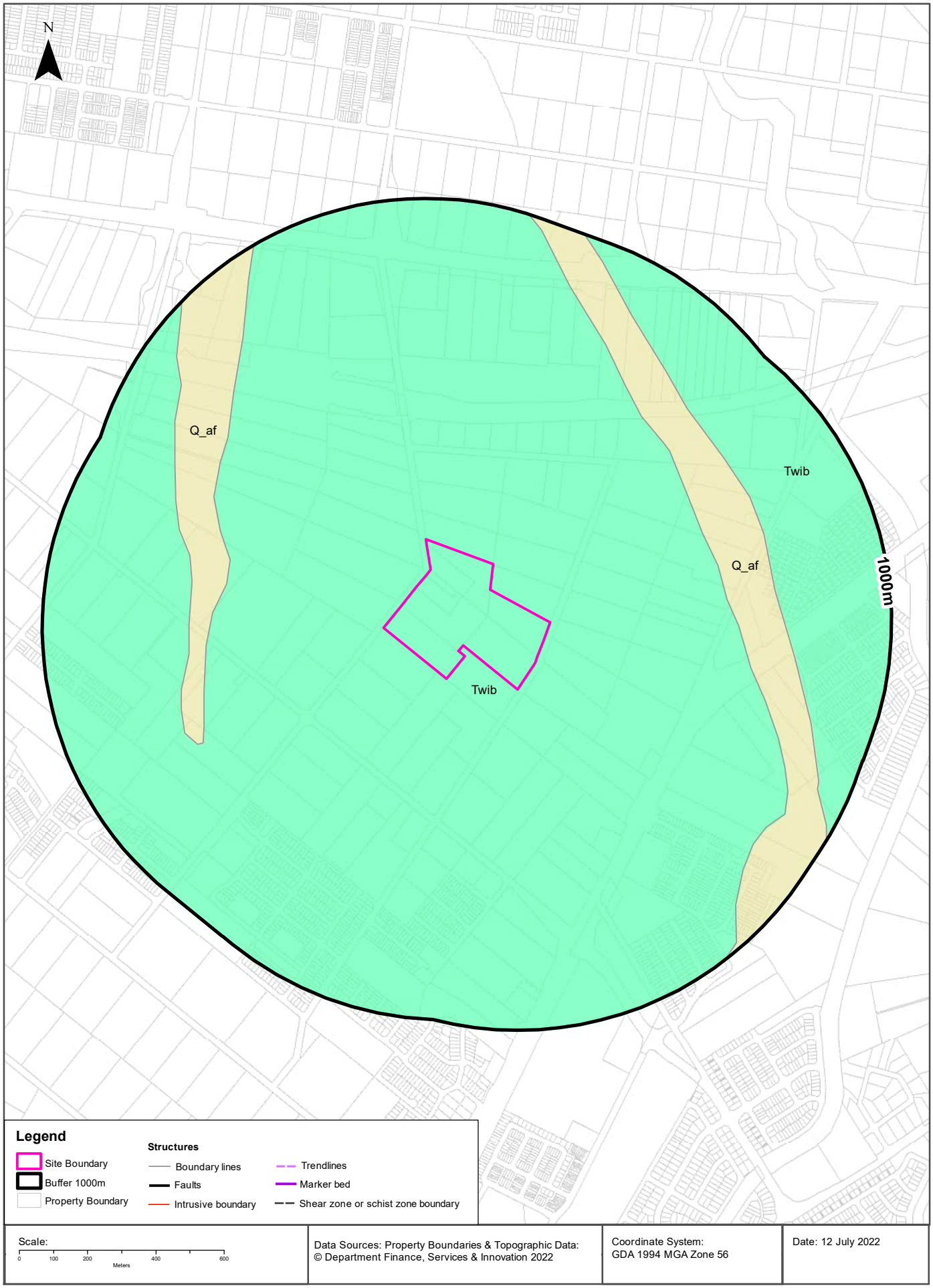
NGIS Bore ID	Drillers Log	Distance	Direction
10043780	0.00m-0.10m CONCRETE 0.10m-0.30m FILL BROWN 0.30m-2.00m CLAY RED, WITH WHITE MOTTLINGS 2.00m-3.20m SHALE WEATHERED BROWN,RED/IRONSTONE FRAGS. 3.20m-4.00m CLAY GREY,NO ODOUR 4.00m-7.00m SHALE WETHERED,BROWN,BECOMING DARK GREY	882m	South
10095147	0.00m-0.10m CONCRETE 0.10m-0.50m CLAY 0.50m-1.00m SANDY SILT 1.00m-1.20m CLAY LIGHT GREY 1.20m-6.00m SHALE,WEATHERED,BECOMING RED/BROWN,PALE BROWN	885m	South
10060556	0.00m-0.10m BITUMEN 0.10m-0.80m CLAY,WITH IRON CLAY 0.80m-1.20m CLAY POSSIBLE WEATHERED SHALE,RED/BROWN 1.20m-2.00m CLAY BECOMING WHITE 2.00m-5.00m SHALE,WEATHERED,PALE BROWN	886m	South
10001791	0.00m-6.10m Clay 6.10m-110.03m Shale 110.03m-118.57m Shale Sandstone 118.57m-191.41m Sandstone Some Fractured Water Supply	898m	South East
10113387	0.00m-0.10m CONCRETE 0.10m-2.00m CLAY,LIGHT GREY,RED,SOME IRONSTONE 2.00m-5.50m SHALE,WEATHERED BROWN,BECOMING PALE BROWN 5.50m-6.00m CLAY,GREY FIRM,WITH MEDIUM PLASTICITY	901m	South
10114402	0.00m-0.10m CONCRETE 0.10m-0.50m SAND YELLOW,FINE TO MEDIUM 0.50m-0.90m CLAY WHITE 0.90m-1.50m IRONSTONE SHALE 1.50m-2.20m CLAY POSSIBLE WEATHERED SHALE 2.20m-6.00m SHALE,WEATHERED BROWN,BECOMING PALE BROWN	902m	South
10040887	0.00m-0.10m BITUMEN 0.10m-1.70m CLAY,RED/GREY 1.70m-2.00m SHALE,WEATHERED BROWN 2.00m-2.20m CLAY,GREY,POSSIBLE WEATHERED SHALE 2.20m-6.00m SHALE,WEATHERED BROWN,HARD TO DRILL	906m	South
10035343	0.00m-0.60m TOPSOIL,SILTY CLAY 0.60m-2.20m CLAY,GREY/RED 2.20m-3.00m IRONSTONE,WETHERED,RED,SOME CLAY 3.00m-6.00m SHALE,WEATHERED,PALE BROWN	923m	South
10108663	0.00m-0.10m CONCRETE 0.10m-0.50m CLAY BLACK 0.50m-1.00m CLAY BECOMING YELLOW 1.00m-1.30m CLAY BECOMING GREY 1.30m-2.00m SHALE,WEATHERED 2.00m-4.00m SHALE BECOMING PALE 4.00m-6.00m INCREASING WEATHERING BETWEEN 4 AND 5.0m	929m	South
10034078	0.00m-0.20m TOPSOIL,SILTY CLAY 0.20m-2.50m CLAY,BROWN,GREY CLAY 2.50m-3.00m IRONSTONE,WEATHERED,RED,SOME GREY CLAY 3.00m-6.00m SHALE,WEATHERED PALE BROWN	932m	South
10098978	0.00m-0.50m SILTY CLAY,BROWN/RED,FINE SAND 0.50m-3.00m CLAY,WHITE,FINE SAND,BECOMING GREY RED BROWN 3.00m-5.00m SHALE,WEATHERED,DARK GREY,NO ODOUR	935m	South
10039594	0.00m-0.50m Clay, silty; brown, homogenous, wet, soft, medium plasticity 0.50m-1.00m Clay, silty;; orange/brown, homogenous, dry to damp, firm, medium plasticity 1.00m-1.75m Clay, silty; orange, homogenous, dry to damp, firm, medium plasticity 1.75m-3.50m Clay, silty; grey with orange mottling, heterogenous, damp, medium plasticity, firm to stiff, shale inclusions 3.50m-5.00m Clay, silty; grey with orange mottlig, heterogenous, damp, medium plasticity, very stiff, increasing shale inclusions 5.00m-8.60m Shale; grey	950m	East
10037724	0.00m-4.27m Clay 4.27m-5.18m Shale Weathered 5.18m-117.35m Shale Black 117.35m-173.74m Sandstone Some Fractured Water Supply	957m	South East

NGIS Bore ID	Drillers Log	Distance	Direction
10044381	0.00m-0.50m Clay, silty; brown, homogenous, moist, soft to firm, medium plasticity 0.50m-2.00m Clay, silty; as above, orange brown, damp, stiff 2.00m-2.50m Clay, silty; as above, grey 2.50m-4.50m Shale; grey, homogenous, dry, stiff 4.50m-9.00m Shale; as above, damp	1058m	South
10077080	0.00m-0.20m Fill; silty clay, orange brown, heterogenous, soft, medium plasticity, damp 0.20m-0.60m Fill; silty clay, grey brown, inclusions of fine gravels & shale, heterogenous, soft, damp, medium plasticity 0.60m-1.20m Fill; silty clay, light grey, inclusions of fine gravels & shale, increasing gravel, heterogenous, soft, damp, medium pl 1.20m-2.50m Fill; silty clay, as above, incusions of fine gravels & shale, gravels increasing 2.50m-2.80m Clay; dark grey, homogenous, soft, moist, medium-high plasticity 2.80m-3.00m Clay, silty; light grey with yellow, homogenous, firm, wet, medium plasticity 3.00m-4.50m Clay, silty; as above, saturated, 4.50m-6.00m Clay, silty; as above, stiff, inclusions of coarse shale gravel	1107m	South East

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology

Leppington Public School, Rickard Road, Leppington, NSW 2179



Geology

Leppington Public School, Rickard Road, Leppington, NSW 2179

Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
Twib	Bringelly Shale	Shale, carbonaceous claystone, laminite, lithic sandstone, rare coal.	/Wianamatta Group//Bringelly Shale//	Middle Triassic (base) to Middle Triassic (top)	Shale	0m
Q_af	Alluvial floodplain deposits	Silt, very fine- to medium-grained lithic to quartz-rich sand, clay.	/Alluvium//Alluvial floodplain deposits//	Quaternary (base) to Now (top)	Clastic sediment	477m

Linear Geological Structures

What are the Dyke, Sill, Fracture, Lineament and Vein trendlines within the dataset buffer?

Map ID	Feature Description	Map Sheet Name	Distance
No Features			

What are the Faults, Shear zones or Schist zones, Intrusive boundaries & Marker beds within the dataset buffer?

Map ID	Boundary Type	Description	Map Sheet Name	Distance
No Features				

Geological Data Source: Statewide Seamless Geology v2.1, Department of Regional NSW
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Naturally Occurring Asbestos Potential

Leppington Public School, Rickard Road, Leppington, NSW 2179

Naturally Occurring Asbestos Potential

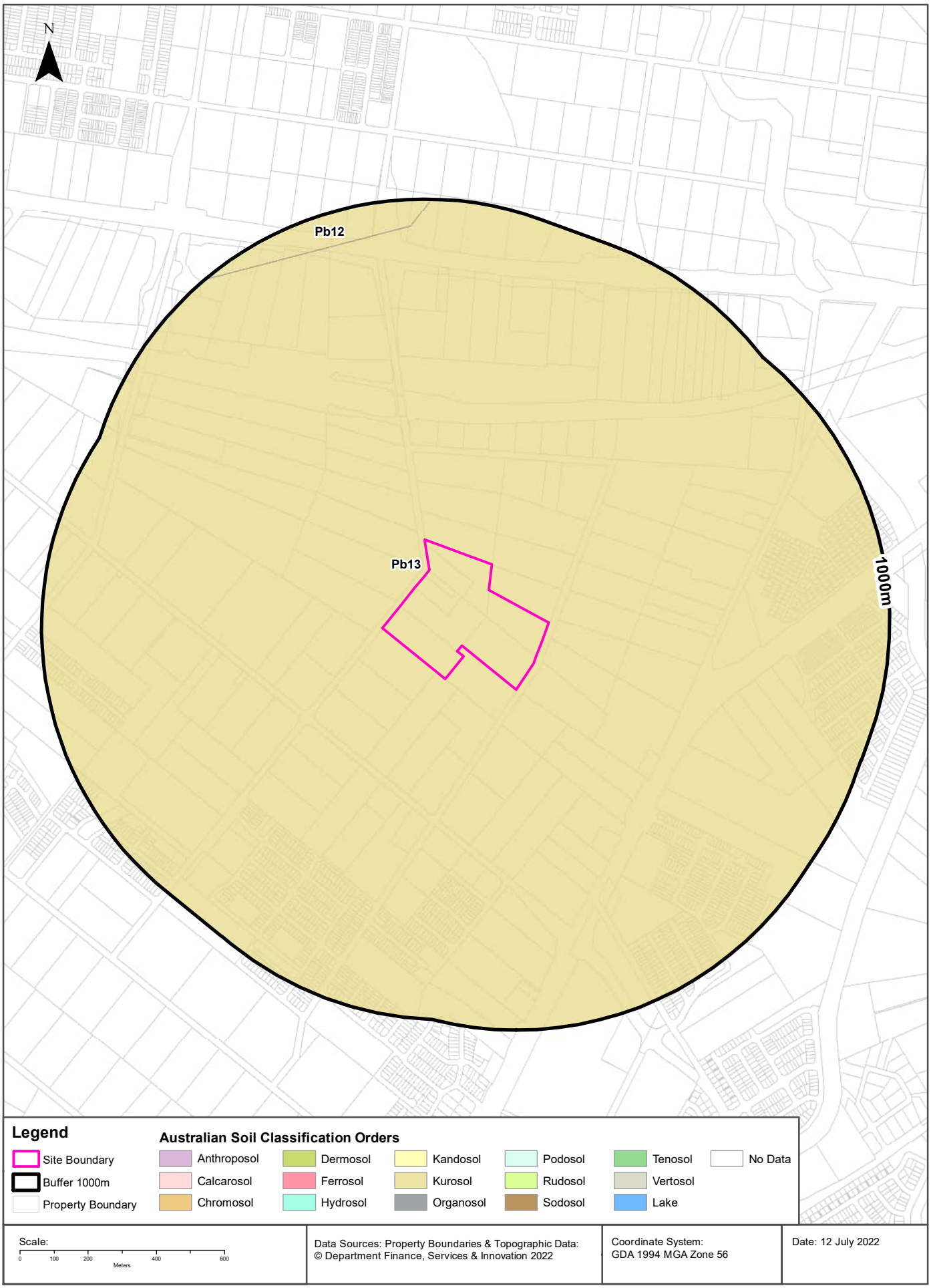
Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Atlas of Australian Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179



Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Pb13	Kurosol	Ridge and valley country of gently undulating ridge tops and steep side slopes often with slumping, also rounded hilly to steep hilly areas and relatively narrow valleys: chief soils are hard acidic red soils (Dr2.21) with hard acidic yellow mottled soils (Dy3.41); in places some ironstone gravels occur in both these soils. Associated are hard neutral and alkaline red soils (Dr2.22 and Dr2.23) in saddles and some mid-slope positions; (Dy3.42 and Dy3.43) soils, usually in depressions; and small areas of undescribed soils in wet soaks and valley areas. Small areas of other soils are likely throughout.	0m	On-site
Pb12	Kurosol	Gently rolling to rounded hilly country with some steep slopes and broad valleys: chief soils are hard acidic red soils (Dr2.21) with hard neutral and acidic yellow mottled soils (Dy3.42 and Dy3.41) on lower slopes and in valleys. Associated are small areas of various soils including (Gn3.54) on some ridges, (Dr3.31) on some slopes; (Dr2.23) in saddles and some mid-slope positions, and some low- lying swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Small areas of other soils such as (Db1.2) are likely throughout.	903m	North

Atlas of Australian Soils Data Source: CSIRO
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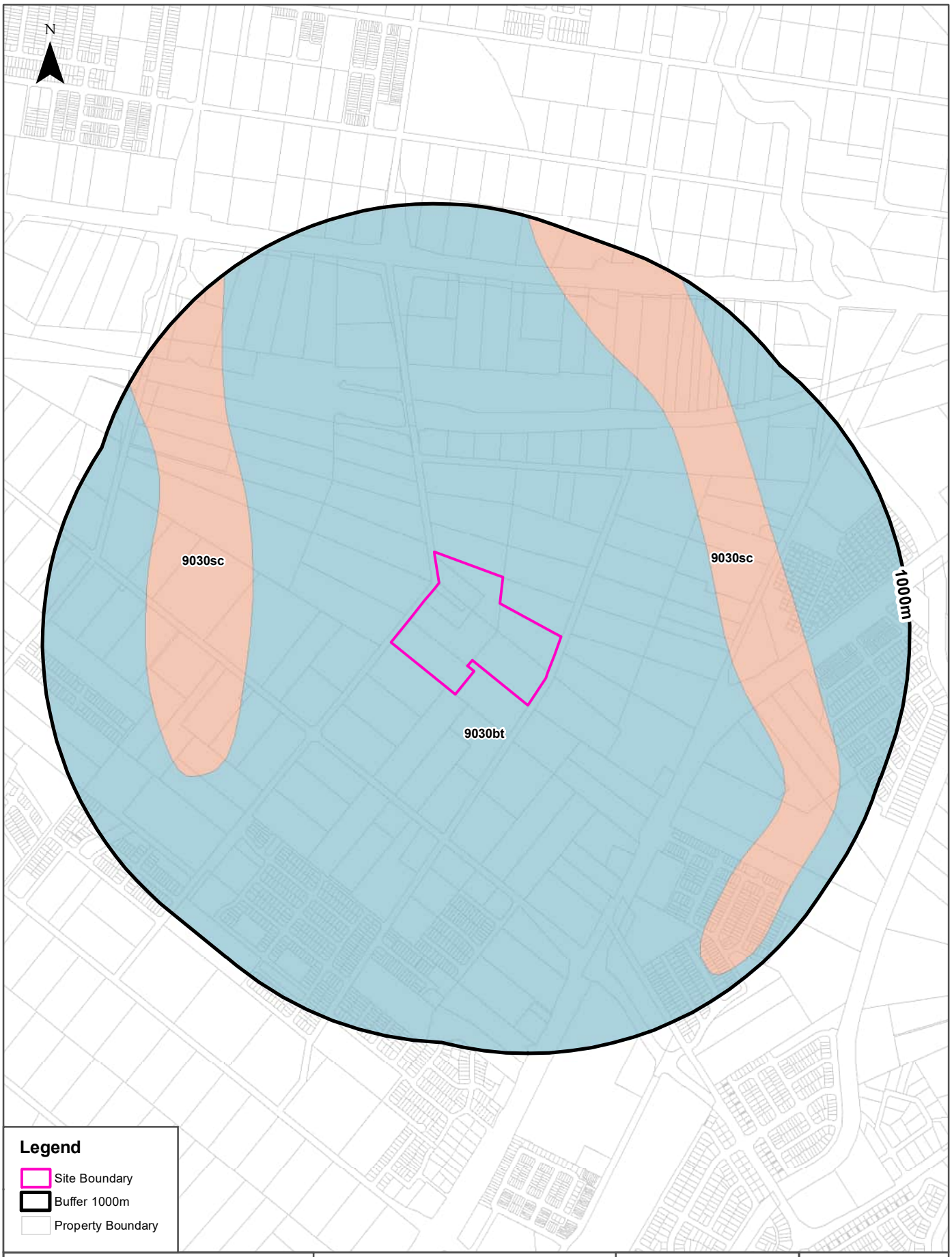
Soil Landscapes of Central and Eastern NSW

Leppington Public School, Rickard Road, Leppington, NSW 2179



Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179

Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
9030bt	Blacktown	0m	On-site
9030sc	South Creek	405m	North East

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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Acid Sulfate Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
N/A		

If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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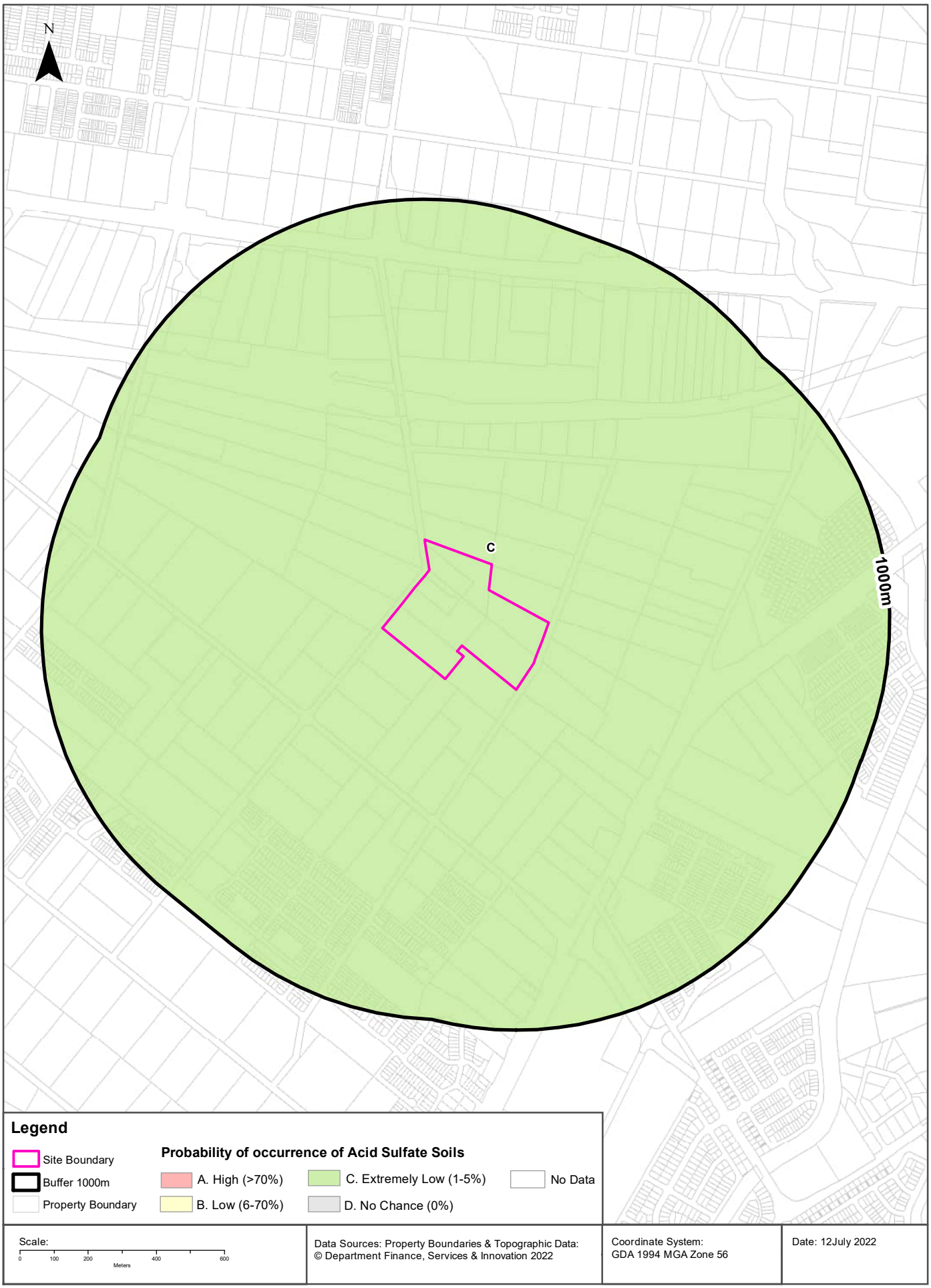
Atlas of Australian Acid Sulfate Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179



Acid Sulfate Soils

Leppington Public School, Rickard Road, Leppington, NSW 2179

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO
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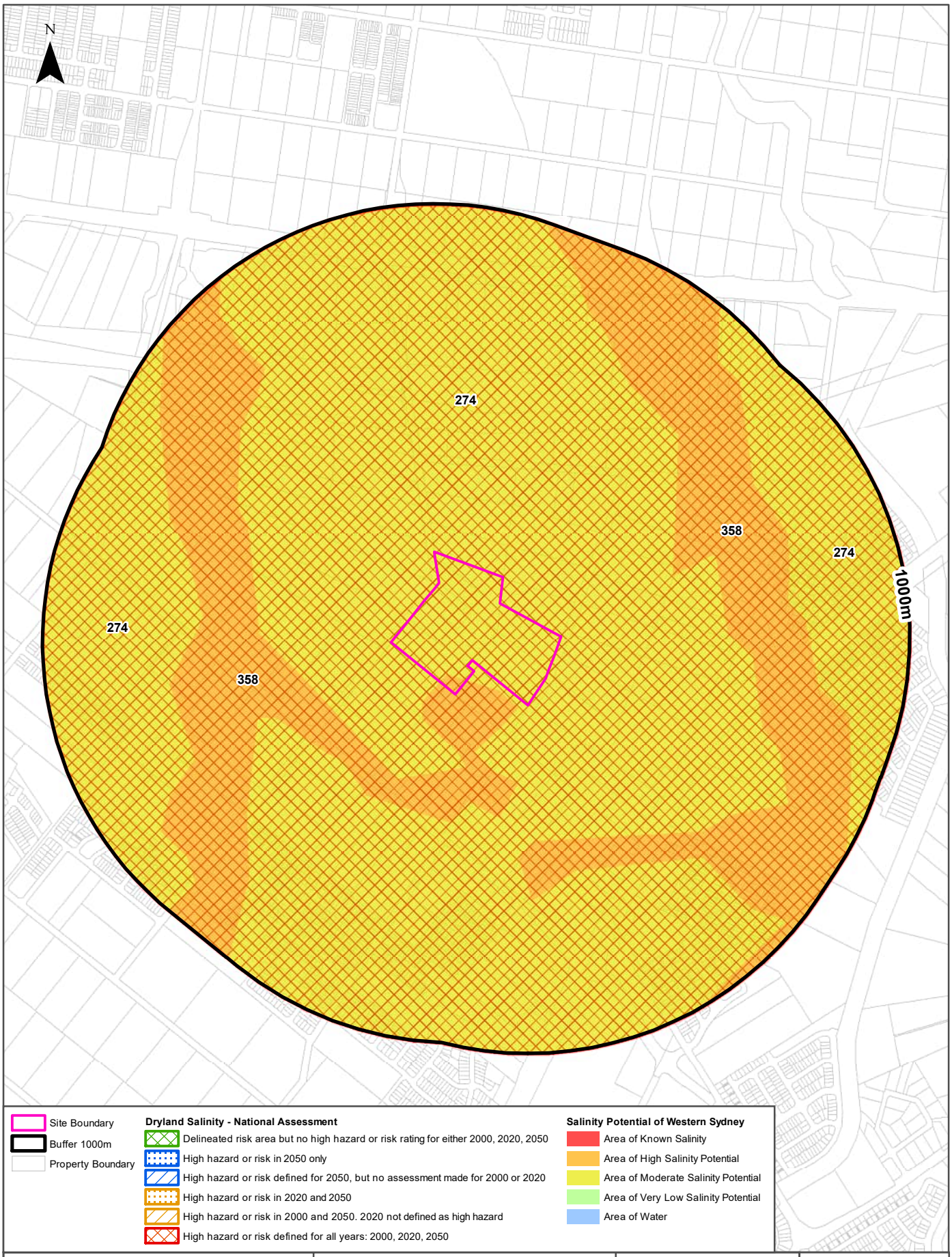
Dryland Salinity

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2022

Coordinate System: GDA 1994 MGA Zone 56

Date: 12 July 2022

Dryland Salinity

Leppington Public School, Rickard Road, Leppington, NSW 2179

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

Yes

Is there Dryland Salinity - National Assessment data within the dataset buffer?

Yes

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
High hazard or risk	High hazard or risk	High hazard or risk	0m	On-site

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
274	MODERATE	Area of Moderate Salinity Potential	0m	On-site
358	HIGH	Area of High Salinity Potential	0m	On-site

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage
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Mining

Leppington Public School, Rickard Road, Leppington, NSW 2179

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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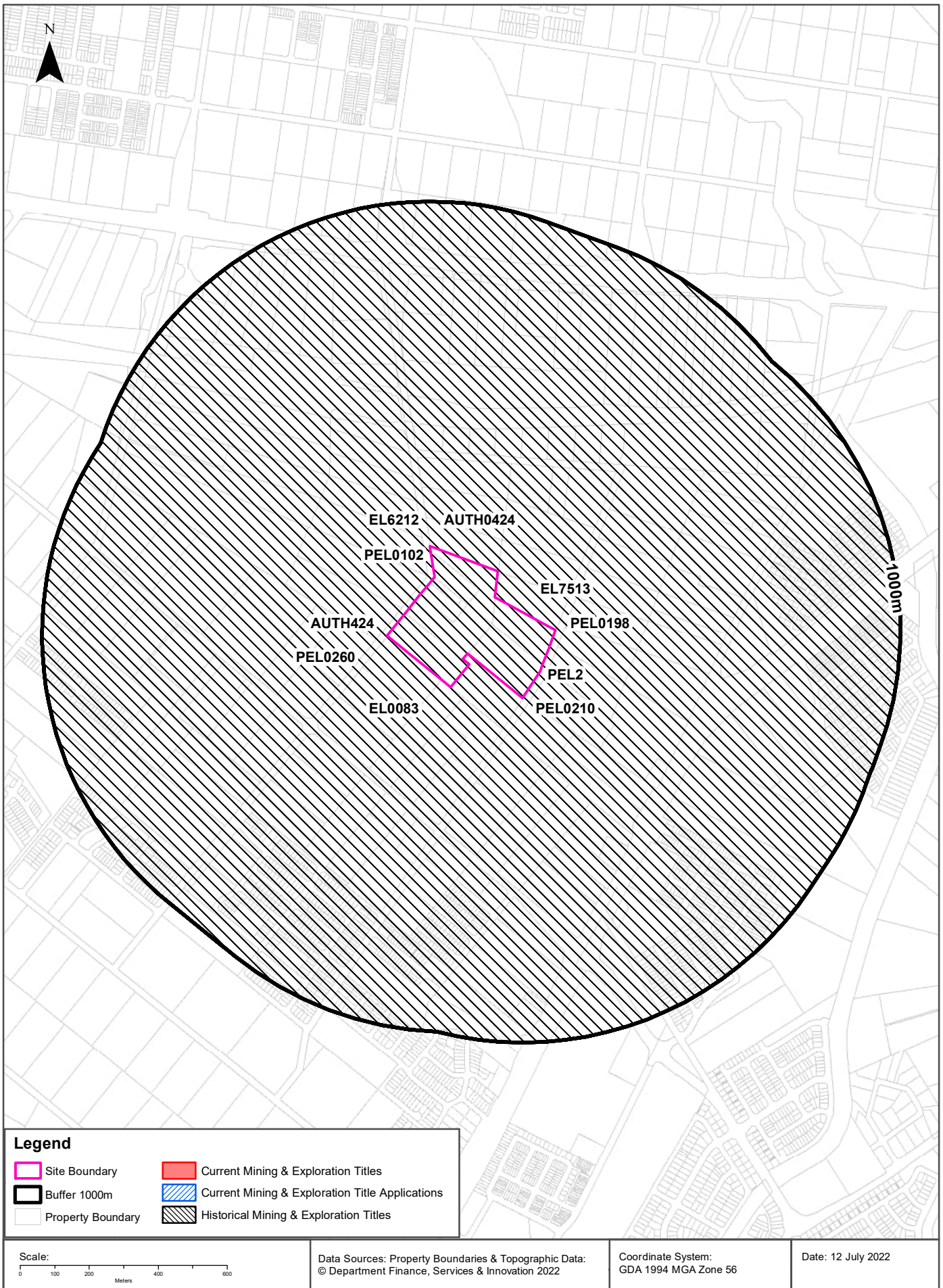
Mining & Exploration Titles

Leppington Public School, Rickard Road, Leppington, NSW 2179



Mining

Leppington Public School, Rickard Road, Leppington, NSW 2179

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

Leppington Public School, Rickard Road, Leppington, NSW 2179

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0198	JOHN STREVENS (TERRIGAL) NL			PETROLEUM	Petroleum	0m	On-site
AUTH0424	SECRETARY OF THE DEPARTMENT OF PLANNING AND ENVIRONMENT	19 Jan 1990	01 May 2019	COAL	Coal	0m	On-site
PEL2	AGL UPSTREAM INVESTMENTS PTY LIMITED			MINERALS		0m	On-site
PEL0210	THE AUSTRALIAN GAS LIGHT COMPANY (AGL), NORTH BULLI COLLIERIES PTY LTD			PETROLEUM	Petroleum	0m	On-site
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
AUTH424	SECRETARY OF THE DEPARTMENT OF PLANNING AND ENVIRONMENT			MINERALS		0m	On-site
EL7513	GRADIENT ENERGY LIMITED	7 Apr 2010	15 Apr 2011	MINERALS	Geothermal	0m	On-site
PEL0260	NORTH BULLI COLLIERIES PTY LTD, AGL PETROLEUM OPERATIONS PTY LTD, THE AUSTRALIAN GAS LIGHT CO.	9/09/1981	8/03/1993	PETROLEUM	Petroleum	0m	On-site
EL0083	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	01 Feb 1967	01 Feb 1968	MINERALS		0m	On-site
EL6212	HOT ROCK ENERGY PTY LTD,LONGREACH OIL LIMITED	4 Mar 2004	3 Mar 2013	MINERALS	Geothermal	0m	On-site

Historical Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

State Environmental Planning Policy

Leppington Public School, Rickard Road, Leppington, NSW 2179

State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

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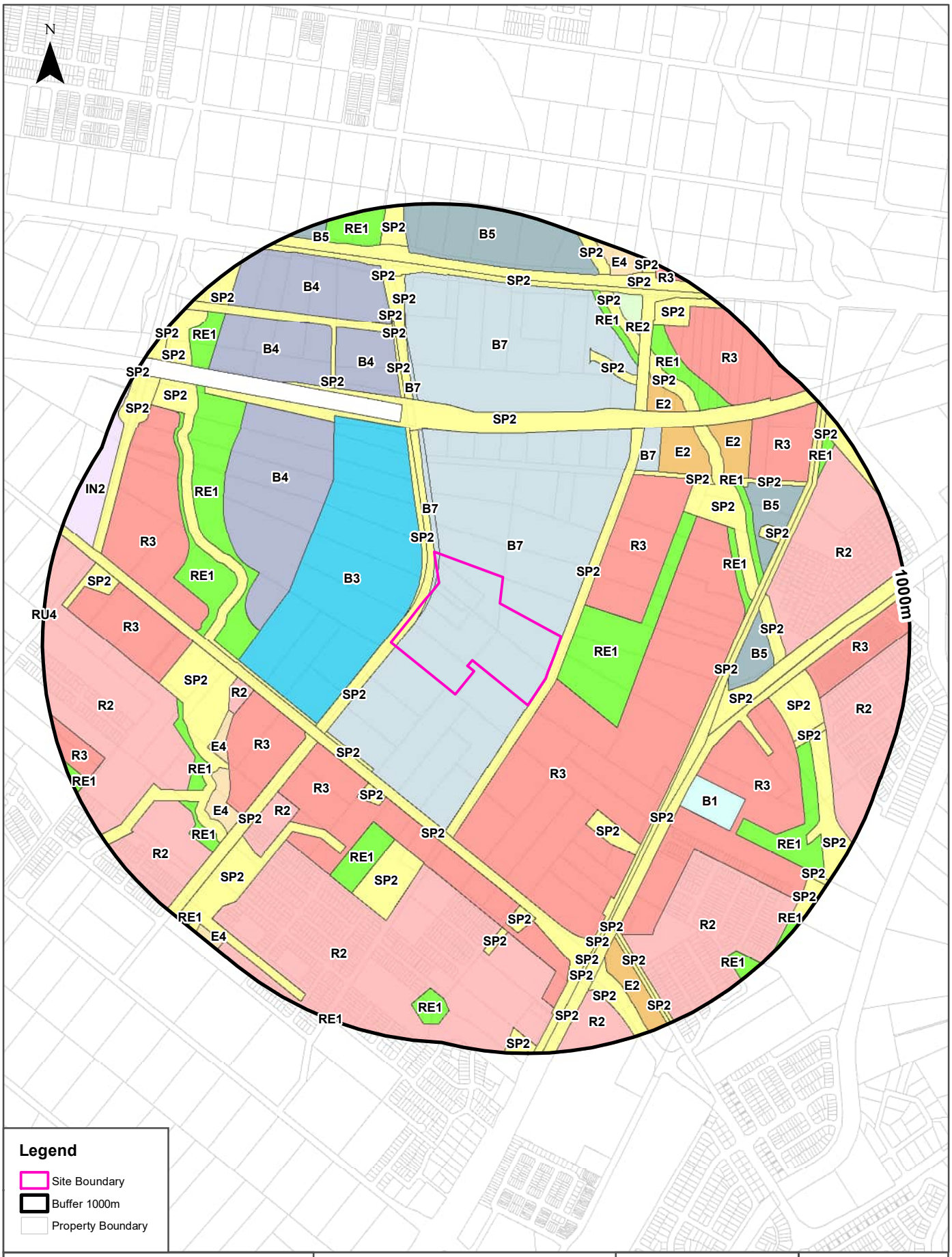
EPI Planning Zones

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2022
Planning: NSW Crown Copyright - Planning & Environment

Coordinate System: GDA 1994 MGA Zone 56

Date: 12 July 2022

Environmental Planning Instrument

Leppington Public School, Rickard Road, Leppington, NSW 2179

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B7	Business Park		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	0m	On-site
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	0m	On-site
B7	Business Park		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	0m	On-site
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	0m	East
B3	Commercial Core		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	20m	North West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	20m	North West
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	28m	East
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	28m	South East
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	115m	North East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	314m	South West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	315m	North West
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	30/09/2021	30/09/2021	30/09/2021	Camden Local Environmental Plan Amendment (Sydney Region Growth Centres?South West Growth Centre) 2021	323m	South

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B4	Mixed Use		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	329m	North West
SP2	Infrastructure	Railway	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	351m	North
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	30/09/2021	30/09/2021	30/09/2021	Camden Local Environmental Plan Amendment (Sydney Region Growth Centres?South West Growth Centre) 2021	353m	South
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	353m	South West
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	16/07/2021	16/07/2021	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2021	354m	South West
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	355m	South West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	358m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	379m	North West
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	417m	West
B7	Business Park		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	420m	North
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	433m	South West
B7	Business Park		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	442m	North
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	445m	North
SP2	Infrastructure	Educational Establishment	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	449m	South

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	452m	West
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	453m	North
B4	Mixed Use	Community Facility	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	457m	North
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	457m	East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	474m	West
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	476m	North East
B7	Business Park		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	488m	North East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	18/06/2021	18/06/2021	30/09/2021	Liverpool Local Environmental Plan 2008 (Map Amendment No 1)	488m	South East
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	489m	North East
B5	Business Development		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	491m	East
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	16/07/2021	16/07/2021	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2021	492m	South
E4	Environmental Living		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	494m	West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	503m	North East
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	18/06/2021	18/06/2021	30/09/2021	Liverpool Local Environmental Plan 2008 (Map Amendment No 1)	511m	South East
B1	Neighbourhood Centre		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	512m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	516m	East
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	531m	West
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	536m	South West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	536m	South West
E2	Environmental Conservation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	539m	North East
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	552m	North West
B4	Mixed Use		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	561m	North West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	568m	West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	571m	East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	573m	South
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	584m	East
E4	Environmental Living		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	591m	South West
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	598m	East
B5	Business Development		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	30/09/2021	30/09/2021	30/09/2021	Camden Local Environmental Plan Amendment (Sydney Region Growth Centres?South West Growth Centre) 2021	605m	East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	612m	North
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	617m	East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	621m	South West
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	623m	North
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	627m	North
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	629m	South East
E2	Environmental Conservation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	631m	North East
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	16/07/2021	16/07/2021	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2021	636m	West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Water Supply System	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	30/09/2021	30/09/2021	30/09/2021	Camden Local Environmental Plan Amendment (Sydney Region Growth Centres?South West Growth Centre) 2021	636m	East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	640m	South
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	659m	South
E2	Environmental Conservation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	660m	North East
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	662m	North East
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (East Leppington Precinct) 2013	666m	South
B4	Mixed Use		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	668m	North West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	668m	North
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	676m	North East
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	691m	South East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	694m	South East
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (East Leppington Precinct) 2013	699m	South
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	703m	North East
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	704m	East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
E2	Environmental Conservation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (East Leppington Precinct) 2013	707m	South East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	710m	North East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	716m	South West
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	718m	North East
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	728m	East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	741m	North East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	745m	North East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	749m	South
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	750m	South
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	760m	East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	768m	South East
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (East Leppington Precinct) 2013	790m	South
RE2	Private Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	796m	North East
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	799m	West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	801m	North East
R2	Low Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (East Leppington Precinct) 2013	836m	South
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	836m	North West
B5	Business Development		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	839m	North
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	843m	North East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	844m	South

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	860m	North East
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	870m	North West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	878m	North West
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	881m	North
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	886m	West
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	897m	North

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
IN2	Light Industrial		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	900m	West
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	912m	North
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	918m	South East
E4	Environmental Living		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	921m	North
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	924m	South
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	926m	North West
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	930m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Local Drainage	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	08/08/2014	08/08/2014	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Liverpool-East Leppington Precinct) 2014	937m	South East
B5	Business Development		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	948m	North
SP2	Infrastructure	Local Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	954m	North West
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	956m	West
SP2	Infrastructure	Water Supply	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	956m	North East
SP2	Infrastructure	Classified Road	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	962m	North East
E4	Environmental Living		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	964m	South West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R3	Medium Density Residential		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	965m	North East
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	967m	South West
SP2	Infrastructure	Railway	State Environmental Planning Policy (Sydney Region Growth Centres) 2006	15/03/2013	15/03/2013	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Camden and Liverpool Growth Centres Precinct Plans) 2013	986m	North West
RE1	Public Recreation		State Environmental Planning Policy (Sydney Region Growth Centres) 2006	13/11/2015	13/11/2015	30/09/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2015	994m	South
RU4	Primary Production Small Lots		Camden Local Environmental Plan 2010	16/07/2021	16/07/2021	20/08/2021	State Environmental Planning Policy (Sydney Region Growth Centres) Amendment (Leppington Precinct) 2021	998m	West

Environmental Planning Instrument Data Source: NSW Crown Copyright - Planning & Environment
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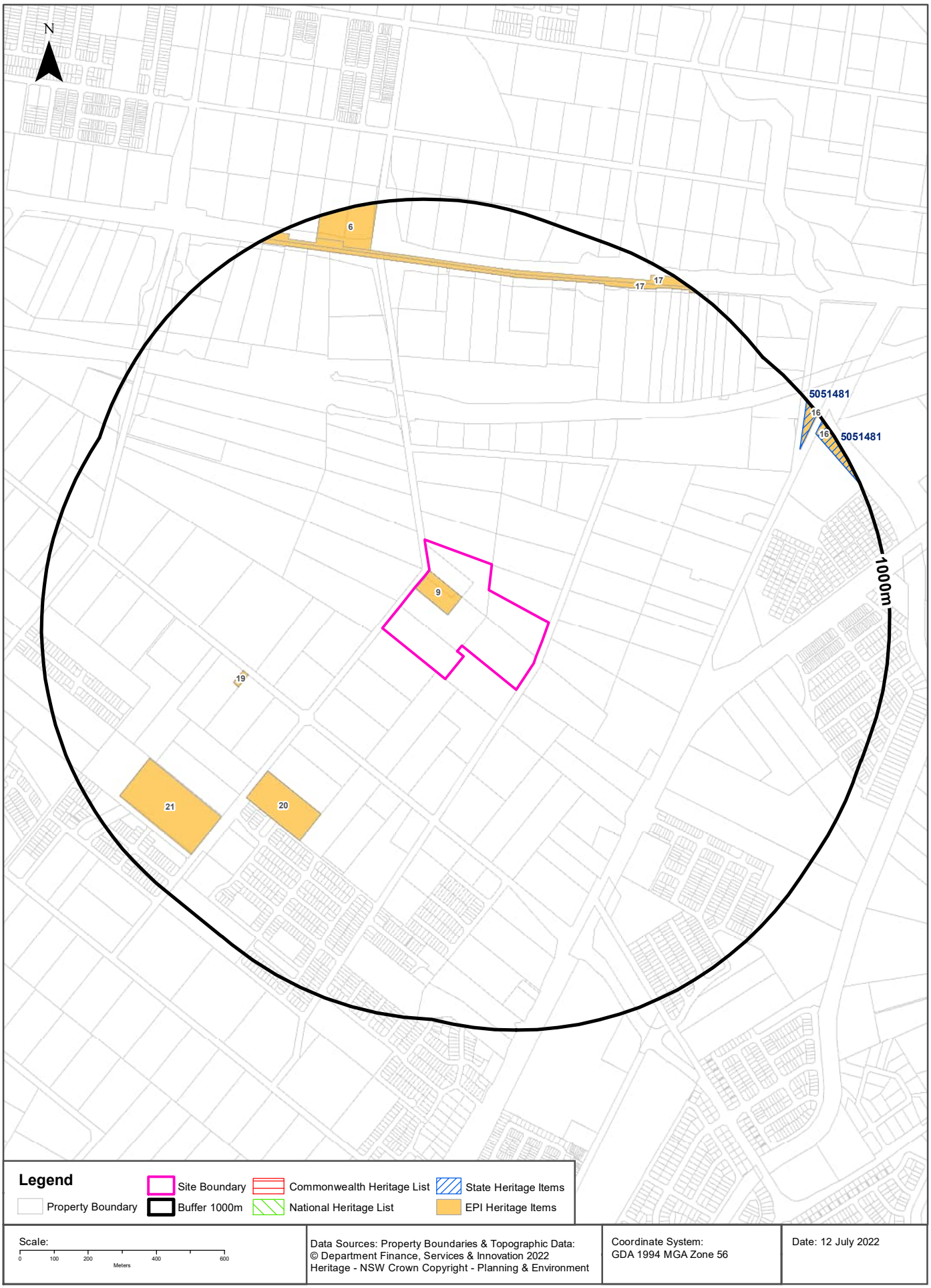
Heritage Items

Leppington Public School, Rickard Road, Leppington, NSW 2179



Heritage

Leppington Public School, Rickard Road, Leppington, NSW 2179

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5051481	Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)	Prospect	LIVERPOOL	18/11/1999	01373	2333	896m	North East
5051481	Upper Canal System (Pheasants Nest Weir to Prospect Reservoir)	Prospect	LIVERPOOL	18/11/1999	01373	2333	960m	North East

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
9	Leppington Public School	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	0m	On-site

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
19	Leppington Progress Hall	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	417m	West
20	Cottage	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	536m	South West
21	Cottage	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	727m	South West
17	Bringelly Road Cultural Landscape Area	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	801m	North
17	Bringelly Road Cultural Landscape Area	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	812m	North
6	Scott Memorial Park	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	866m	North
16	Canal	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	896m	North East
16	Canal	Item - General	Local	State Environmental Planning Policy (Precincts?Western Parkland City) 2021	02/12/2021	01/03/2022	25/03/2022	960m	North East

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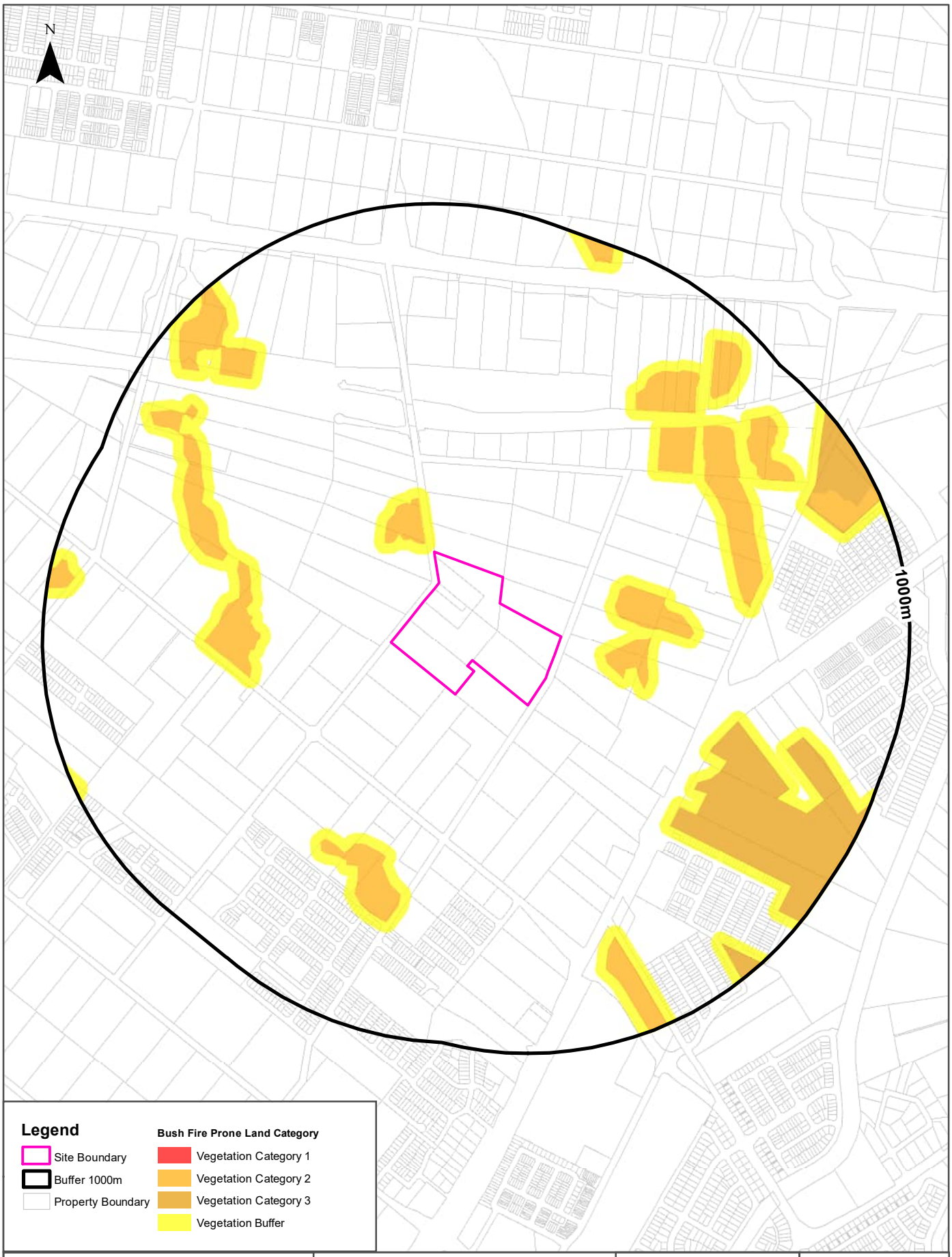
Natural Hazards - Bush Fire Prone Land

Leppington Public School, Rickard Road, Leppington, NSW 2179



Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2022. Property Boundaries: © Department Finance, Services & Innovation 2022

Coordinate System: GDA 1994 MGA Zone 56

Date: 12 July 2022

Natural Hazards

Leppington Public School, Rickard Road, Leppington, NSW 2179

Bush Fire Prone Land

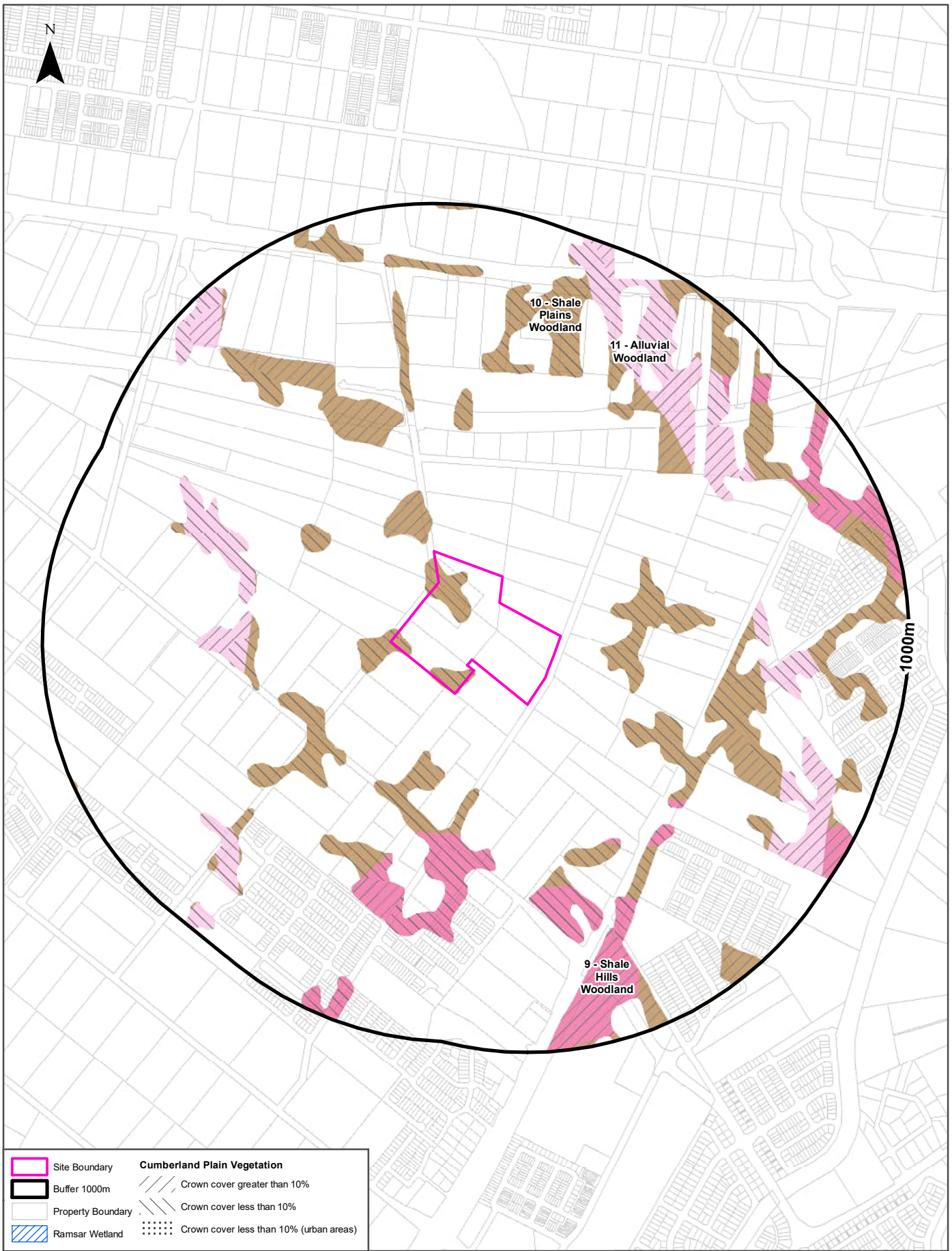
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Buffer	9m	North West
Vegetation Category 2	38m	North West
Vegetation Category 3	514m	South East

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & Ramsar Wetlands

Leppington Public School, Rickard Road, Leppington, NSW 2179



Ecological Constraints

Leppington Public School, Rickard Road, Leppington, NSW 2179

Remnant Vegetation of the Cumberland Plain

What remnant vegetation of the Cumberland Plain exists within the dataset buffer?

Description	Crown Cover	Distance	Direction
10 - Shale Plains Woodland	Crown cover less than 10%	0m	On-site
10 - Shale Plains Woodland	Crown cover greater than 10%	35m	North West
9 - Shale Hills Woodland	Crown cover less than 10%	400m	South
11 - Alluvial Woodland	Crown cover greater than 10%	406m	West
11 - Alluvial Woodland	Crown cover less than 10%	408m	West
9 - Shale Hills Woodland	Crown cover greater than 10%	568m	South

Remnant Vegetation of the Cumberland Plain : NSW Office of Environment and Heritage
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Ramsar Wetlands

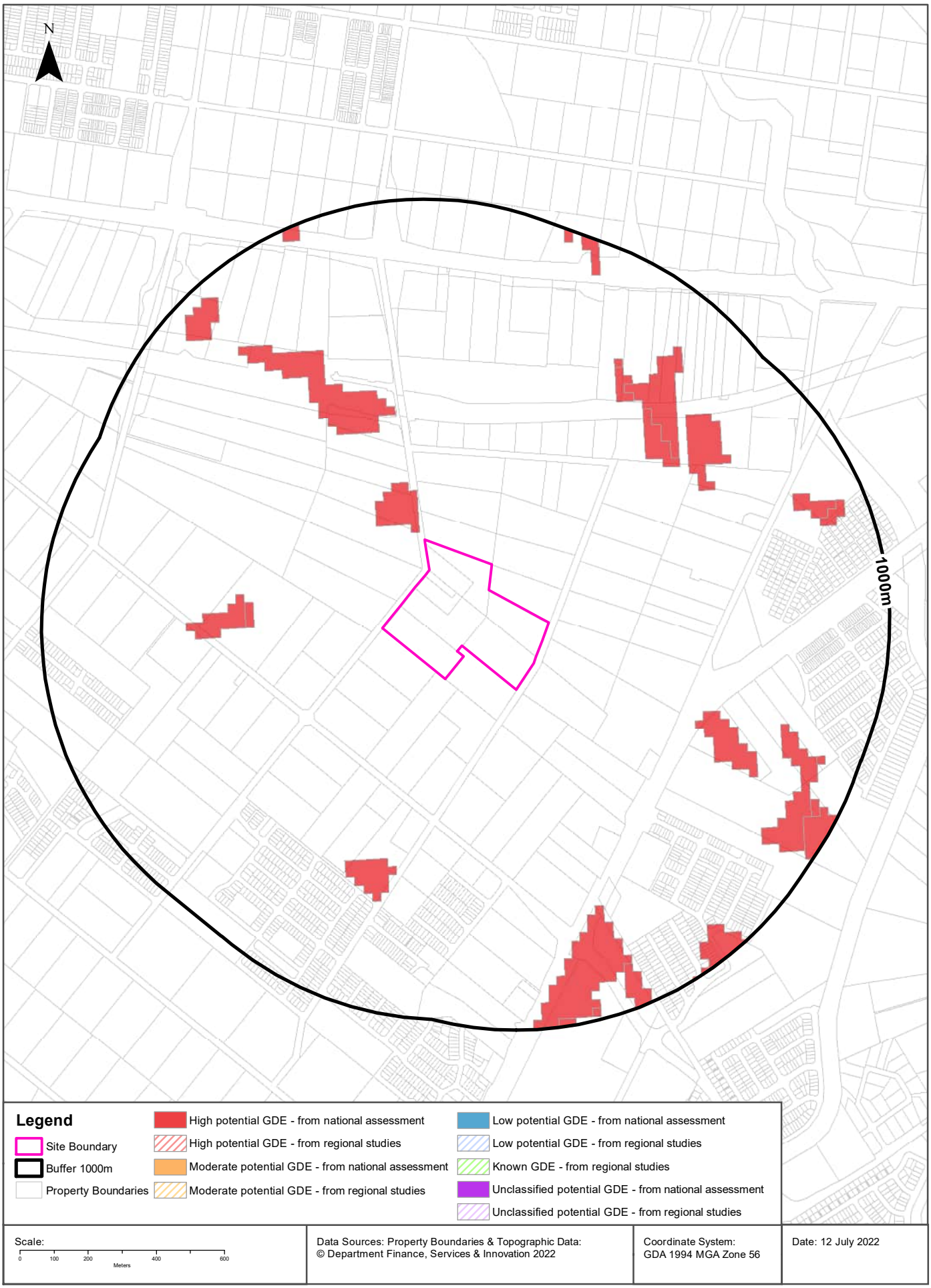
What Ramsar Wetland areas exist within the dataset buffer?

Map Id	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

Leppington Public School, Rickard Road, Leppington, NSW 2179



Ecological Constraints

Leppington Public School, Rickard Road, Leppington, NSW 2179

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	29m	North West
Terrestrial	High potential GDE - from national assessment	Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	401m	West

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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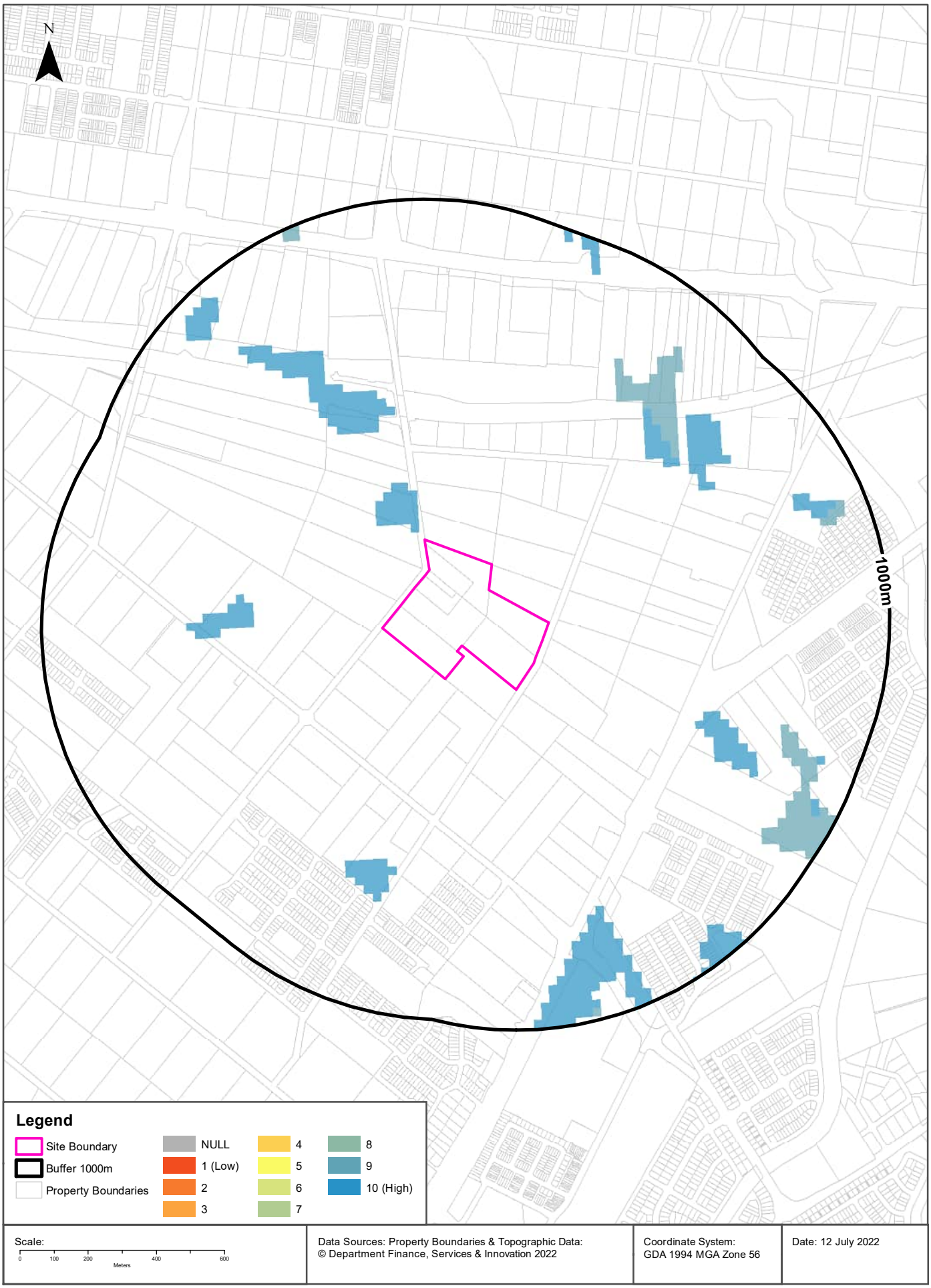
Ecological Constraints - Inflow Dependent Ecosystems Likelihood

Leppington Public School, Rickard Road, Leppington, NSW 2179



Ecological Constraints

Leppington Public School, Rickard Road, Leppington, NSW 2179

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	10	Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	29m	North West
Terrestrial	10	Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	401m	West
Terrestrial	9	Undulating to low hilly country, mainly on shale.	Vegetation	Unconsolidated sedimentary	602m	North East
Terrestrial	9	Undulating to low hilly country, mainly on shale.	Vegetation	Consolidated sedimentary	602m	North East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

Leppington Public School, Rickard Road, Leppington, NSW 2179

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Endangered	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Chthonicola sagittata	Speckled Warbler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus wallicus wallicus	Eastern Ground Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Gastropoda	Meridolum corneovirens	Cumberland Plain Land Snail	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Macropus dorsalis	Black-striped Wallaby	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Vespadelus troughtoni	Eastern Cave Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Eulamprus leuraensis	Blue Mountains Water Skink	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bakeri	Marblewood	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Argyrotegium nitidulum	Shining Cudweed	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Callistemon linearifolius	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	Dillwynia tenuifolia		Endangered Population, Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Dillwynia tenuifolia		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Grevillea juniperina subsp. juniperina	Juniper-leaved Grevillea	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Grevillea parviflora subsp. parviflora	Small-flower Grevillea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Gyrostemon thesioides		Endangered	Category 3	Not Listed	
Plantae	Flora	Hibbertia fumana		Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Hibbertia sp. Bankstown		Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Lepidium hyssopifolium	Aromatic Peppercress	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Leucopogon exolasius	Woronora Beard-heath	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia integrifolia	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Marsdenia viridiflora subsp. viridiflora	Native Pear	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Persoonia hirsuta	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	Persoonia nutans	Nodding Geebung	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Pimelea spicata	Spiked Rice-flower	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Pomaderris brunnea	Brown Pomaderris	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Pterostylis nigricans	Dark Greenhood	Vulnerable	Category 2	Not Listed	
Plantae	Flora	Pterostylis saxicola	Sydney Plains Greenhood	Endangered	Category 2	Endangered	
Plantae	Flora	Pultenaea parviflora		Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Pultenaea pedunculata	Matted Bush-pea	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	

Data does not include NSW category 1 sensitive species.
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Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

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Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Appendix C

Data Quality Indicators

DQIs for the project will be based on the field and laboratory considerations in NEPM Schedule B2 Appendix B, (NEPC 1999), which include:

- Completeness – a measure of the amount of useable data (expressed as %) from a data collection activity;
- Comparability – the confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness – the confidence (expressed qualitatively) that data are representative of each media present on the site;
- Precision – a quantitative measure of the variability (or reproducibility) of data; and
- Accuracy – a quantitative measure of the closeness of reported data to the true value.

The DQIs adopted for this assessment and checking of compliance is discussed in Table C1 to C5 below.

Table C1 – Data Quality Indicators: Completeness

Completeness					
Field considerations	DQI	DQI Compliance	Laboratory considerations	DQI	DQI Compliance
All critical locations will be sampled	Samples will be collected as per Section 6	Yes, with minor exception (refer to Section 9)	All critical samples analysed.	Samples will be analysed as per Section 6	Yes
All samples collected	Samples will be collected from relevant media as per Section 6	Yes	All analytes analysed according to sampling plan	Samples will be analysed as per Section 6	Yes
SOPs appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Appropriate methods and limits of reporting	Samples will be analysed by laboratories NATA accredited for the analyses to be performed and appropriate methods will be used. LORs will be less than or equal to the assessment criteria.	Yes
Experienced sampler	An experienced SMEC environmental consultant will conduct the sampling	Yes	Sample documentation complete	CoCs will be returned, signed, and dated by laboratory. NATA endorsed laboratory certificates will be completed in accordance with NEPC (1999). Field documentation will be completed in accordance with SMEC SOPs/Field instructions.	Yes (refer to Appendix I)
Documentation correct	Samples will be handled and transported under appropriate chain of custody documentation. Sample Receipt Advice (SRA) (or equivalent) from the laboratory will be reviewed to assess that samples are received cool and in good condition. Calibration certificates for the field instruments will be provided daily.	Yes	Sample holding times complied with	Samples will be analysed within holding times specified by NEPC (1999, amended 2013)	Yes with minor exception (refer to Section 9)

Table C2 – Data Quality Indicators: Comparability

Comparability					
Field considerations	DQI	DQI Compliance	Laboratory considerations	DQI	DQI Compliance
Same SOPs/Field instructions used on each occasion	SMEC SOPs/Field instructions will be implemented	Yes	Same sample analytical methods used	The same NATA accredited laboratory will be used to undertake analyses of all primary samples collected for this study with the exception of indirect Urea screening which was conducted at ALS. The laboratory will use the same analytical methods for each sample for each analytical parameter.	Yes
Experienced sampler	An experienced SMEC environmental consultant will conduct the sampling.	Yes	Same sample limits of reporting (LOR)		Yes
Climatic conditions (temperature, rainfall, wind, barometric pressure…)	Ideally, PFAS data should be collected during good weather conditions (i.e. no rain).	Yes	Same laboratories (justify/quantify if different)		Yes
Same types of samples collected	Samples will be collected in the appropriate laboratory supplied container specific to the analyses performed.	Yes	Same units (justify/quantify if different)		Yes

Table C3 – Data Quality Indicators: Representativeness

Representativeness					
Field considerations	DQI	DQI Compliance	Laboratory considerations	DQI	DQI Compliance
Appropriate media sampled according to sample plan	Samples will be collected and analysed as listed in Section 6. Any variations will be justified.	Yes	All samples analysed according to sample plan	Samples will be collected and analysed as per Section 6. NATA accredited environmental testing laboratories will implement a quality control plan conforming to Schedule B(3) 'Guideline on Laboratory Analysis of Potentially Contaminated Soils' of the National Environment Protection (Assessment of Site Contamination Measure 1999 as amended (NEPC, 1999).	Yes
All media identified in sample plan sampled	Samples will be collected and analysed as listed per Section 6.	Yes	All samples analysed according to sample plan	Samples will be collected and analysed as per Section 6	Yes

Table C4 – Data Quality Indicators: Precision

Precision					
Field considerations	DQI	DQI Compliance	Laboratory considerations	DQI	DQI Compliance
SOPs appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Analysis of laboratory duplicates	The number of duplicate analyses should be the smaller of one per process batch or one per 10 samples.	Yes
Analysis of: field duplicates	Collection of field duplicate samples including: • Field intra-laboratory duplicate samples (1 in 20 samples). • Field inter-laboratory duplicate samples (1 in 20 samples). Note: Field duplicates excluded for asbestos presence/absence testing	Yes	Analysis of: field duplicates	Field duplicates have relative percentage difference (RPD) control limits: • Less than 30% (soil) where result is greater than 10 times limit of reporting (LOR). • No limit where result is less than 10 times LOR.	Yes, minor exceptions (refer to Section 9)
	Experienced and trained staff to carry out sampling. Sampling methodologies appropriate and complied with.	Yes	Analysis of: laboratory duplicates	Laboratory duplicates have relative percentage difference (RPD) control limits: • 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% In accordance with laboratory specific QC Acceptance criteria.	Yes
			Analysis of: laboratory-prepared volatile trip spikes	Trip spikes recoveries were recorded between 60% and 110% for volatile contaminants (TRHC6-C10/BTEX)	Yes
			Analysis of: laboratory-prepared volatile trip blanks	Trip blanks were free of detectable concentrations of volatile contaminants (TRHC6-C10/BTEX)	Yes

Table C5 – Data Quality Indicators: Accuracy (Bias)

Accuracy (bias)					
Field considerations	DQI	DQI Compliance	Laboratory considerations	DQI	DQI Compliance
SOP appropriate and complied with	SMEC SOPs/Field instructions will be implemented	Yes	Analysis of field blanks	A laboratory prepared trip blank will be analysed for soil sampling (as defined in AS4482.2-1999 and NEPC (1999). Results are to be less than the LOR	Yes
Rinsate blank	Where reusable sampling equipment is utilised (if any) a rinsate blank will be analysed and results compared against the PQL.	Yes	Analysis of method blank	Method blanks will be analysed as per NEPC (1999) at least 1 per process batch (typically 1 in 20). Results to be less than LOR	Yes
Trip spike	One BTEX trip spike will be taken in the field and analysed. DQI - recoveries to be within 70% - 130% for organics	Yes	Analysis of matrix spike	Matrix spikes will be analysed as per NEPC (1999) (one matrix spike per soil type per process batch). Results to be within laboratory acceptance limits based on NEPC (1999). Acceptance limits are on the laboratory certificates (typically 70-130%, depends on analyte. A lower range typically accepted for phenols 30%-130%)	Yes, minor exceptions (refer to Section 9)
Preservation, transport, and storage	Samples appropriately preserved in laboratory supplied containers, stored, and transported correctly and within holding times	Yes	Analysis of surrogate spike	Surrogates will be analysed as per NEPC Schedule B3 (1999). All samples spiked where appropriate (e.g. chromatographic analysis of organics). Acceptance limits 70% to 130% (inorganics), or 50% to 150% (organics).	Yes
			Analysis of laboratory control samples	LCSs will be analysed as per NEPC Schedule B3 (1999) (at least 1 per batch). Results to be within laboratory acceptance limits based on NEPC (1999). Acceptance limits are on the laboratory certificates (typically 70-130%, depends on analyte)	Yes
			Analysis of laboratory-prepared spikes	LPS will be analysed as per NEPC Schedule B3 (1999). Recovery results to be within laboratory acceptance limits based on NEPC Schedule B3 (1999). Acceptance limits are on the laboratory certificates.	Yes

Appendix D

Photographic Log

Image 1: Driveway entrance at Lot A DP411211 (taken facing east, on 25/01/2024)

Image 2: General Lot A DP411211 driveway condtion and makeup (taken on 25/01/2024)

Image 3: Western portion of Lot A DP411211 comprising crops underlain by plastic liner and greenhouse structure (taken facing north-east, on 25/01/2024)

Image 4: Example of general various debris and rubbish observed across Lot A DP411211 and plastic irrigation tubing (taken facing west, on 25/01/2024)

Image 5: Example of fibrous corrugated sheets observed near the Site entrance and adjacent to the mains water valve (taken on 25/01/2024)

Image 6: Example of fibrous corrugated sheets observed near the Site entrance and adjacent to the mains water valve (taken on 25/01/2024)

Image 7: Dam B south-east portion of Lot A DP411211 (taken on 25/01/2024)

Image 8: Example of liquified petroleum gas tanks adjacent greenhouses and drainage line running adjacent greenhouses in Lot A DP411211 (taken facing north-west on 25/01/2024)

Image 9: Photograph of SP4 (taken facing south, on 25/01/2024)

Image 10: Dilapidated caravan (taken facing south east, on 24/07/2024)

Image 11: Shipping Container 1 and Storage Shed (taken facing south-east, on 24/07/2024)

Image 12: Shipping Container 1 (internal) (taken on 24/07/2024)

Image 13: Shipping Container 2 (internal) (taken on 24/07/2024)

Image 14: Photograph of SP2 (taken facing south east, on 25/01/2024)

Image 15: Storage Compound area (taken facing south, on 25/07/2024)

Image 16: Storage Room in Storage Compound (taken on 25/07/2024)

Image 17: Kitchen in Storage Compound (taken on 25/07/2024)

Image 18: Storage Compound (taken on 25/07/2024)

Image 19: ‘IBC-A’ and ‘IBC-B’ (taken on 24/07/2024)

Image 20: Suspected pump connections from ‘IBC-A’ and ‘IBC-B’ (taken on 24/07/2024)

Image 21:‘IBC-C’ and ‘IBC-D’ (taken on 24/07/2024)

Image 22: ‘IBC-D’ (inside container) (taken on 24/07/2024)

Image 23: Container of Evening Primrose Oil (taken on 24/07/2024)

Image 24: Container of Evening Primrose Oil (taken on 24/07/2024)

Image 25: Dam A located to the south-east corner of Lot A DP411211 (taken facing south, on 25/01/2024)

Image 26: Stockpile SP3 (dam wall, adjacent to Dam A), and greenhouses (visible to the right of photograph) in Lot A DP411211 (taken facing west, on 25/01/2024)

Image 27: Eastern edge of Stockpile SP3 (dam wall, adjacent to Dam A), and ACM fragments on ground surface acorss south east area of Lot A DP411211 (taken facing south, on 25/01/2024)

Image 28: Stockpile SP3 (dam wall, adjacent to Dam A) in Lot A DP411211 (taken facing north, on 24/07/2024)

Image 29: Tank A (taken facing south, on 24/07/2024)

Image 30: Tank B (taken facing south-east, on 24/07/2024)

Image 31: Tank C (taken facing south-east, on 24/07/2024)

Image 32: Observed burnt materials obseved to the south-east corner of Lot A DP411211 (taken on 25/01/2024)

Image 33: Stockpile SP1 (taken facing south east, on 24/07/2024)

Image 34: Residence in western portion of Lot B (taken facing west, on 25/01/2024)

Image 35: Example of general debris and rubbish found scattered across the Lot B DP411211 (taken on 25/01/2024)

Image 36: Area of different grading than surronding topography within backyard of residence at Lot B DP411211 (taken facing south-east, on 25/01/2024)

Image 37: Example of dilapidated and partially demolished shed structures on Lot B DP411211 (taken facing north, 25/01/2025)

Image 38: Lot B DP411211 Residence septic tank located in the backyard within fenced area (taken facing west, on 25/01/2025)

Image 39: Established trees within Lot B DP411211 (taken facing north, on 25/01/2025)

Image 40: Example of remnant and demolished corrugated metal sheds and associated debris within the central northern portion of Lot B DP411211 (taken facing east, on 25/01/2025)

Image 41: Test pit STP02 (taken on 05/02/2024)

Image 42: Representative residual material observed in STP02 (taken opn 05/02/2024)

Image 43: Test pit STP03 (taken on 05/02/2024)

Image 44: Represenative weathered material observed in STP03 (taken on 05/02/2024)

Image 45: Test pit STP07 (taken on 05/02/2024)

Image 46: Representative fill material taken from STP07 (taken on 05/02/2024)

Image 47: Test pit STP10 area (taken on 05/02/2024)

Image 48: representative fill materials found within STP10 (taken on 05/02/2024)

Image 49: Representative fibre cement fragments taken from STP10 (taken on 05/02/2024)

Image 50: Representative fibre cement fragments taken adjacent STP12 (taken on 07/02/2024)

Image 51: Test pit STP12 (taken on 07/02/2024)

Image 52: Represenative fill materials found within STP12 (taken on 07/02/2024)

Image 53: Test pit STP21 (taken on 07/02/2024)

Image 54: Representative top soil material taken from STP21 (taken on 07/02/2024)

Image 55: Test pit STP22 (taken on 07/02/2024)

Image 56: Representative reworked natural material taken from STP22 (taken on 07/02/2022)

Image 57: Test pit STP32 (taken on 07/02/2024)

Image 58: Representative of fill material taken from STP32 (taken on 07/02/2024)

Image 59: Test pit STP45 within dam bund wall (i.e. SP3) (taken on 06/02/2024)

Image 60: Fill soil materials subsequent to sieving (taken on 06/02/2024)

Image 61: Test pit STP47 within dam bund wall (i.e. SP3) (taken on 06/02/2024)

Image 62: Representative of fill material taken from STP47 (taken on 06/02/2024)

Image 63: Hand auger SHA13 (taken on 08/02/2024)

Image 64: Representative of residiual material taken from SHA13 (taken on 08/02/2024)

Image 65: Sediment sample location SSED01 (taken on 07/02/2024)

Image 66: Representative of sediment material taken from SSED01 (taken on 07/02/2024)

Image 67: Sediment sample location SSED02 (taken on 07/02/2024)

Image 68: Sediment sample location SSED02 (taken on 07/02/2024)

Image 69: Surface water sample location SSW01 (taken on 07/02/2024)

Image 70: Surface water sample location SSW02 (taken facing south-east, on 07/02/2024)

Appendix E

Calibration Certificates

PID calibration Sheet

Project Name:	30018043
SMEC Project Manager:	SS
Date:	05/02/2024
Previous PID calibration date:	-
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	pV

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 99.6.

Was the recorded isobutylene measurement <95ppm or >105ppm? Yes/(No) (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: -.

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

Good condition

Cylinder No.: 950 064673

PID s/N: 590-000685

PID calibration Sheet

Project Name:	30018043
SMEC Project Manager:	SS
Date:	06/02/2024
Previous PID calibration date:	-
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	PV

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 94 .

Was the recorded isobutylene measurement <95ppm or >105ppm? (Yes)/No (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: 100.3 .

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

Good condition

Cylinder No.: 950 064673

PID s/N: 590-000685

PID calibration Sheet

Project Name:	30018043
SMEC Project Manager:	SS
Date:	07/02/2024
Previous PID calibration date:	-
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	JP

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 109 ppm

Was the recorded isobutylene measurement <95ppm or >105ppm? (Yes)/No (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: 100.4 ppm

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

Good condition

Cylinder No.: 950 064673

PID s/N: 590-000685

PID calibration Sheet

Project Name:	30018043
SMEC Project Manager:	SS
Date:	08/02/2024
Previous PID calibration date:	-
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	PV

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 106 ppm

Was the recorded isobutylene measurement <95ppm or >105ppm? (Yes)/No (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: 100.6 ppm

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

Good condition

Cylinder No.: 950 064673

PID s/N: 590-000685

Calibration and Service Report

EXPERT TESTING SERVICES
ABN: 74 619 717 350
Contact: 02 9730 2019
Email: rentals@experttesting.com.au
9/171 Power Street, Glendenning NSW 2761
Web: www.experttesting.com.au

Company:	Expert Testing Services (Hire) Pty Ltd	**Manufacturer:**	Solinst	**Serial #:**	484525
Address:	9/171 Power Street GLENDENNING NSW 2761	**Instrum./Model:**	Interface Probe 122	**Tape Length:**	30m
Phone:	02 9730 2019	**Client Company:**	SMEC	**Client Email:**	
Email:	rentals@experttesting.com.au	**Client Name:**	Jordan	**Client Phone:**	

Equipment Check

Oil/Water Interface Meter - Solinst 122 Interface Meter

Customer:	SMEC	**Manufacturer:**	Solinst
	Jordan		Interface Meter
Contact:		**Instrument:**	Model 122
Order:		**Serial #:**	484525
		Tape length:	30m

Item	Test	Pass	Comments
Battery	Voltage (2 x 9v battery)	✓	Voltage above 7.9v
	Fuses	✓	
	Capacity	✓	
Probe	Decontaminated	✓	
	Condition	✓	
	Operation	✓	
Connectors	Condition	✓	
Tape Check	Condition	✓	
	Decontaminated	✓	
Instrument Test	At surface level	✓	Tap water and Petrol
Speaker	Operation	✓	

Comments

New unit.

This is to certify that the above instrument has been checked and is in good working order.

Checked By: Milenko Sisic

Check Date: 15.02.2024 **Due for Check:** 15.08.2024

GCC ISO 9001 Certified
GCC ISO 14001 Certified
JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

Calibration and Service Report

EXPERT TESTING SERVICES
ABN: 74 619 717 350
Contact: 02 9730 2019
Email: rentals@experttesting.com.au
9/171 Power Street, Glendenning NSW 2761
Web: www.experttesting.com.au

Company:	Expert Testing Services (Hire) Pty Ltd	**Manufacturer:**	YSI	**Serial #:**	21B103406
Address:	9/171 Power Street GLENDENNING NSW 2761	**Instrum./Model:**	DSS WQM	**Cable S/N:**	21M102111
Phone:	02 9730 2019	**Client Company:**	SMEC	**Client Email:**	
Email:	rentals@experttesting.com.au	**Client Name:**	Jordan	**Client Phone:**	

Item	Test	Pass	Comments
Battery	Charged	✓	
	Battery Saver	✓	Automatically turns off after 15 minutes if not used
Connections	Condition	✓	Good, clean
Cable	Condition	✓	Clean, no tears
Display	Operation	✓	
Firmware	Version	✓	1.3.15
Keypad	Operational	✓	
Display	Screen	✓	
Unit	Condition, seals and O-rings	✓	
Monitor housing	Condition	✓	
pH			
Condition		✓	Good, clean
pH millivolts for pH7 calibration range 0 mV ± 50 mV		✓	
pH 4 mV range + 165 to + 180 from 7 buffer mV value		✓	
pH slope		✓	
Response time < 90 seconds		✓	
Calibrated and conforms to manufacturer's specifications		✓	
ORP			
Condition		✓	New, clean
Response time < 90 seconds		✓	
within ± 80mv of reference Zobell Reading		✓	
Calibrated and conforms to manufacturer's specifications		✓	Variance range ± 20mV
Conductivity			
Condition		✓	New, clean
Calibrated and conforms to manufacturer's specifications		✓	°C
Turbidity			
Calibrated and conforms to manufacturer's specifications		✓	
Condition		✓	
Dissolved Oxygen			
Condition		✓	New, clean
Calibrated and conforms to manufacturer's specifications		✓	

Parameter	Standards	Reference	Calibration Point	Before	After	Units
Temperature	Center 370 Thermometer	Room Temp.	28.1	N/A	28.1	°C
pH	pH 4.00	A2262	4.01	4.01	4.01	pH
pH	pH 10.00	A3046	9.95	9.94	9.95	pH
pH	pH 7.00	A3055	6.99	7.07	6.99	pH
Conductivity	2760 µs/cm at 25°C	411815	2760	2756	2760	µs/cm
ORP (Ref. check only)	Zobell A & B	A12606 & B12606	221.0	219.9	221.0	mV
Zero Dissolved Oxygen	NaSO3 in distilled water	376716 - 3222201	0.0	0.6	0.0	%
100% Dissolved Oxygen	100% Air Saturation	Fresh Air	99.3	98.2	99.3	%
Zero Turbidity	0 FNU	3222201	0.00	0.30	0.00	FNU
Turbidity	124.00 FNU	22L22460171	124.00	124.61	124.00	FNU

Calibrated By: Milenko Sisic

Calibration Date: 06.02.2024 **Calibration Due:** 06.08.2024

GCC ISO 9001 Certified GCC ISO 14001 Certified JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

Calibration and Service Report

ABN: 74 619 717 350
Contact: 02 9730 2019
Email: rentals@experttesting.com.au
9/171 Power Street, Glendenning NSW 2761
Web: www.experttesting.com.au

Company:	Expert Testing Services (Hire) Pty Ltd	**Manufacturer:**	QED	**Serial #:**	1535
Address:	9/171 Power Street GLENDENNING NSW 2761	**Instrum./Model:**	MP15	**Cable:**	60m
Phone:	02 9730 2019	**Client Company:**	SMEC	**Client Email:**	
Email:	rentals@experttesting.com.au	**Client Name:**	Jordan	**Client Phone:**	

Equipment Check

MP Kit QMP15

Customer:	Stantec	**Manufacturer:**	QED
Contact:	Katelyn	**Instrument:**	QMP15
Order:		**Serial #:**	1735
		Pump S/N #:	145028
		Cable length:	60m

Item	Test	Pass	Comments
QMP15	Condition	✓	
	Gas Regulator	✓	
	Wrench & Tube cutter	✓	
Pump	Decontaminated	✓	
	Condition	✓	
	Bladder Fitted	✓	
	Fittings	✓	New
CO2 Gas Bottle	Full	✓	
Spare CO2	1 Spare Bottles	✓	
MP Kit: QMP15 and Pump Test	Operation checked	✓	
Instruction manual	Included	✓	

Comments

1 spare bottles.

This is to certify that the above instrument has been checked and is in good working order.

Checked By: Milenko Sisic

Check Date: 19.02.2024 **Due for Check:** 19.08.2024

GCC ISO 9001 Certified
GCC ISO 14001 Certified
JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

PID calibration Sheet

Project Name:	Leppington Declaration.
SMEC Project Manager:	SS
Date:	29/7/24
Previous PID calibration date:	26/7/24
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	AH

PID value (in fresh air) = 0.1

100ppm isobutylene was applied to the PID, the resulting measurement was: 97.5

Was the recorded isobutylene measurement <95ppm or >105ppm? Yes (No) (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: _____.

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

PID in good condition.

PID calibration Sheet

Project Name:	Leppington Declaration.
SMEC Project Manager:	SS
Date:	25/7/24
Previous PID calibration date:	24/7/24
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	AH

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 96.3

Was the recorded isobutylene measurement <95ppm or >105ppm? Yes/No (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: _____.

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

PID in good condition.

PID calibration Sheet

Project Name:	Leppington Declaration.
SMEC Project Manager:	SS
Date:	26/7/24
Previous PID calibration date:	25/7/24
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	AH

PID value (in fresh air) = 0.0

100ppm isobutylene was applied to the PID, the resulting measurement was: 97.1

Was the recorded isobutylene measurement <95ppm or >105ppm? Yes/No (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: _____.

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

PID in good condition.

PID calibration Sheet

Project Name:	Leppington Declaration.
SMEC Project Manager:	SS
Date:	29/7/24
Previous PID calibration date:	26/7/24
Device ID:	SMEC PID device (MiniRAE 3000)
Name of person performing PID check:	AH

PID value (in fresh air) = 0.1

100ppm isobutylene was applied to the PID, the resulting measurement was: 97.5

Was the recorded isobutylene measurement <95ppm or >105ppm? Yes (No) (please circle)

If Yes, calibration is required.

If no, no calibration is required.

If answered 'YES' to the above, calibrate device using 100ppm isobutylene, and record result here: _____.

Please record details of the following below:

- Battery health
- Overall condition of device
- Any damage/wear and tear

PID in good condition.

Appendix F

Logs

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HAND AUGER: SHA01

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 7/2/2024
Date Completed: 7/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0		ES 0.10 m			ML	SILT: low plasticity, brown, trace clay.	D	L - MD	RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
			0.2									
			0.4	*0.40*				CL-CI	CLAY: low to medium plasticity, red-brown.			
	E-E				ES 0.50 m					D	D	
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
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HAND AUGER: SHA02

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 7/2/2024
Date Completed: 7/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0					ML	SILT: low plasticity, brown, trace clay.	D	L - MD	RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
			0.2		ES 0.10 m							
			0.4	*0.40*				CL-CI	CLAY: low to medium plasticity, red-brown.			
	E-E				ES 0.50 m					D	D	
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA03

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 7/2/2024
Date Completed: 7/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	CLAY: low plasticity, red-brown.	D	MD	REWORKED NATURAL
			0.2	0.30								
	F-F		0.4		ES 0.50 m			CI	CLAY: medium plasticity, red-brown.	D	D	RESIDUAL SOIL
			0.6	0.60					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA04

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	CLAY: low plasticity, red-brown.	D	MD	REWORKED NATURAL
			0.2									
				0.30								
	F-F		0.4		ES 0.50 m			CI	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL 0.50: organic material - black wood piece
			0.6	0.60					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
Member of the Surbana Jurong Group

HAND AUGER: SHA05

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2		ES 0.50 m			Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4									
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
Member of the Surbana Jurong Group

HAND AUGER: SHA06

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-rounded to sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4		ES 0.50 m							
				0.60								
			0.6						Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
Member of the Surbana Jurong Group

HAND AUGER: SHA07

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-rounded to sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					CI	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4									
				0.60								
			0.6		ES 0.60 m				Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
Member of the Surbana Jurong Group

HAND AUGER: SHA08

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-rounded to sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4									
				0.60								
			0.6		ES 0.60 m				Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

SMEC
Member of the Surbana Jurong Group

HAND AUGER: SHA09

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-rounded to sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					CI	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4									
				0.60								
			0.6		ES 0.60 m				Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA10

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
			0.2	*0.20*				CI	CLAY: medium plasticity, mottled red-grey.			RESIDUAL SOIL
	F-F		0.4		ES 0.50 m					D	D	
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA11

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4		ES 0.50 m							
				0.60								
			0.6						Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

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Date 29/8/2024

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HAND AUGER: SHA12

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown, trace sub-angular, coarse gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4		ES 0.50 m							
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA13

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			ML	Clayey SILT: red-brown.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2					Cl	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4		ES 0.50 m							
				0.60								
			0.6						Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

HAND AUGER: SHA14

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Sheet 1 of 1

Project:	SINSW Projects		
Location:	Leppington Public School	Position: Richard Road Leppington NSW	Date Started: 8/2/2024
Client:	SINSW	Contractor: Drill Rig: Hand Auger	Date Completed: 8/2/2024
Job No.:	30018043	Inclination: -90°	Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.00 m			ML	Clayey SILT: red-brown, trace medium grained sand.	D	MD	REWORKED NATURAL 0.00: Black staining, fertilizer odour
				0.20								
	F-F		0.2					CI	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4		ES 0.50 m							
			0.6	*0.60*					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

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Date 29/8/2024

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HAND AUGER: SHA15

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 7/2/2024
Date Completed: 7/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			CL-CI	Silty CLAY: low to medium plasticity, red-brown.	D	MD - D	RESIDUAL SOIL
			0.2	0.25				CI	CLAY: medium plasticity, mottled red-grey.			
	F-F		0.4		ES 0.50 m					D	D	
			0.6	0.60					Hole Terminated at 0.60 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA16

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0		ES 0.10 m			CI	CLAY: medium plasticity, mottled red-pale orange.	D	D	REWORKED NATURAL
			0.2	0.30								
	F-F			0.40				ML	FILL Sandy Clayey SILT: brown, sand is fine to medium grained; trace medium to coarse grained, sub-angular to angular gravel; anthropogenic material [<5%].	D	L - MD	FILL 0.30-0.40: plastic, metal
			0.4		ES 0.40 m				Hole Terminated at 0.40 m Refusal on HDPE liner			
			0.6									
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA28

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0					ML	TOPSOIL Clayey SILT: brown, clay is low plasticity.	D	L - MD	TOPSOIL 0.00-0.30: Rootlets 0.10: black plastic
			0.2		ES 0.10 m							
				0.30								
	E-E		0.4					CI	CLAY: medium plasticity, red. 0.50: Becoming mottled grey-red	D	D	RESIDUAL SOIL
			0.6		ES 0.60 m							
				0.70					Hole Terminated at 0.70 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

HAND AUGER: SHA29

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Sheet 1 of 1

Project:	SINSW Projects		
Location:	Leppington Public School	Position: Richard Road Leppington NSW	Date Started: 8/2/2024
Client:	SINSW	Contractor: Drill Rig: Hand Auger	Date Completed: 8/2/2024
Job No.:	30018043	Inclination: -90°	Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0		ES 0.10 m			ML	TOPSOIL Clayey SILT: brown, clay is low plasticity.	D	L - MD	TOPSOIL 0.00-0.30: Rootlets 0.10: black plastic
			0.2	0.30								
	E-E		0.4		ES 0.60 m			CI	CLAY: medium plasticity, red.	D	D	RESIDUAL SOIL
			0.6	0.70								
			0.8						Hole Terminated at 0.70 m Target Depth			
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

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Date 29/8/2024

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HAND AUGER: SHA30

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0		ES 0.10 m			ML	TOPSOIL Clayey SILT: brown, clay is low plasticity.	D	L - MD	TOPSOIL 0.00: Sticks, leaves 0.00-0.30: Rootlets
			0.2	0.30								
	E-E		0.4					CI	CLAY: medium plasticity, red. 0.50: Becoming mottled grey-red	D	D	RESIDUAL SOIL
			0.6		ES 0.60 m							
				0.70					Hole Terminated at 0.70 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA31

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 8/2/2024
Date Completed: 8/2/2024
Logged: PV

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	E-E	Not Encountered	0.0		ES 0.10 m			ML	TOPSOIL Clayey SILT: brown, clay is low plasticity; minor inclusions of black plastic.	D	L - MD	TOPSOIL 0.00-0.30: Rootlets 0.10: black plastic
			0.2									
				0.30								
	E-E		0.4					Cl	CLAY: medium plasticity, red.	D	D	RESIDUAL SOIL
			0.6		ES 0.60 m							
				0.70					Hole Terminated at 0.70 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

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HAND AUGER: SHA48

Sheet 1 of 1

Project: SINSW Projects
Location: Leppington Public School
Client: SINSW
Job No.: 30018043

Position: Richard Road Leppington NSW
Contractor: Drill Rig: Hand Auger
Inclination: -90°

Date Started: 6/2/2024
Date Completed: 6/2/2024
Logged: JP

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
HA	F-F	Not Encountered	0.0					ML	Clayey SILT: red-brown, trace sub-rounded to sub-angular gravel.	D	MD	REWORKED NATURAL
				0.20								
	F-F		0.2		ES 0.20 m			CI	CLAY: medium plasticity, mottled red-grey.	D	D	RESIDUAL SOIL
			0.4									
			0.6		ES 0.60 m							
				0.70					Hole Terminated at 0.70 m Target Depth			
			0.8									
			1.0									
			1.2									
			1.4									
			1.6									
			1.8									
			2.0									

Comments

Checked HS
Date 29/8/2024

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP01

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			SILT: brown, trace clay.				RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
				0.2		ML		D	L - MD		
				0.4			0.40m				
			0.50m ES			CL-Cl	CLAY: low to medium plasticity, red-brown.	D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP02

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.60 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			SILT: brown, trace clay.				RESIDUAL SOIL 0.00: Grass cover 0.00-0.40: Rootlets
			0.40m ES	0.2		ML		D	L - MD		
			0.70m ES	0.4			0.40m				
				0.6		CL-Cl	CLAY: low to medium plasticity, red-brown.	D	D		
				0.8			0.70: Becoming mottled red-grey 0.80m Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP03

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass/weed cover 0.00-0.30: Rootlets
			0.30m ES	0.2			0.30m				
				0.4			CLAY: low to medium plasticity, red-brown.				
				0.6		CL-CI		D	D		
			0.80m ES	0.8			0.80m				
							MUDSTONE: grey, weathered.	D			EXTREMELY WEATHERED
							0.90m				
							Hole Terminated at 0.90 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP04

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 5/2/2024	LOGGED BY : PV CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.20 m LONG 0.55 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
				0.2			0.30m				
			0.50m ES	0.4		CL-Cl	CLAY: low to medium plasticity, red-brown.	D	D		0.60: Root
			0.80m ES	0.6			0.80: Becoming mottled red-brown-grey				
				0.8			0.90m				
				1.0			Hole Terminated at 0.90 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP05

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :
SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator
METHOD : Excavation
DATE EXCAVATED : 5/2/2024
LOGGED BY : PV
CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.40 m LONG 0.50 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 200 300 400)	STRUCTURE & Other Observations
			0.10m ES	0.0			SILT: brown, trace clay.				RESIDUAL SOIL 0.00: Grass cover 0.00-0.40: Rootlets
				0.2		ML		D	L - MD		
		Not Encountered	0.40m ES	0.4			0.40m				
							CLAY: low to medium plasticity, red-grey-brown.				
				0.6		CL-CI		D	D		
			0.90m ES	0.8			0.90m				
							Hole Terminated at 0.90 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP06

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.30 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
PENETRATION VE E F H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Gass cover 0.00-0.60: Rootlets
				0.2			0.30m				
			0.50m ES	0.4		CL-CI	CLAY: low to medium plasticity, red-brown.	D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP07

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.20 m LONG 0.55 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	FILL SILT: brown, trace clay; trace anthropogenic material (5%), trace roadbase/asphalt, black.	D	L - MD		FILL 0.00: Grass cover 0.00-0.60: Rootlets, concrete, rubble, broken tiles, glass, metal pieces 0.10: Bone
				0.2			0.30m				
			0.50m ES	0.4		CL-CI	CLAY: low to medium plasticity, red-brown.	D	D		RESIDUAL SOIL
			0.80m ES	0.6			0.80m				
				0.8			Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP08

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.80 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			FILL SILT: brown, with clay; trace coarse, sub-anglar gravel; trace anthropogenic material (<5%).				FILL 0.00: Grass cover 0.00-0.40: Plastic, rootlets, fabric, glass
				0.2		ML		D	L - MD		
			0.40m ES	0.4			0.40m CLAY: red-brown.				RESIDUAL SOIL
				0.6		CL-CI		D	D		
				0.8			0.80: Becoming mottled red-brown-grey				
			1.00m ES	1.0			1.00m 1.00: Transitioning to weathered material Hole Terminated at 1.00 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP09

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.30 m LONG 0.65 m WIDE

EXCAVATION					MATERIAL						
PENETRATION VE E F H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover, black plastic 0.00-0.70: Rootlets
			0.30m ES	0.2			0.30m				
				0.4		CL-Cl	CLAY: low to medium plasticity, red-brown.	D	D		
			0.70m ES	0.6			0.70m				
				0.8			0.70: Becoming mottled red-brown-grey Hole Terminated at 0.70 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP10

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.10 m LONG 0.60 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
			0.10m ES	0.0			FILL SILT: brown, trace clay; trace anthropogenic material (<5%), trace asphalt/roadbase, black (<1%).				FILL 0.00: Grass cover 0.00-0.50: Rootlets 0.00-0.40: Metal, terracotta pipe, tiles, concrete rubble 0.10: PACM, 3 fragments, all good condition: approximately 2cm x 1cm, 2cm x 2cm, 10cm x 5cm
				0.2		ML		D	L - MD		
		Not Encountered	0.50m ES	0.4			0.40m CLAY: medium plasticity, red-grey-brown mottled.				RESIDUAL SOIL
				0.6		CI		D	D		
			0.90m ES	0.8			0.90m MUDSTONE: grey-orange-brown.	D			EXTREMELY WEATHERED
				1.0			1.00m Hole Terminated at 1.00 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP11

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.70 m LONG 0.60 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			FILL Silty CLAY: low plasticity, brown, trace coarse grained sand; trace medium to coarse grained, sub-angular to sub-rounded gravel; trace antropogenic material (<10%).				FILL 0.00: Grass cover 0.00-0.70: Glass, bricks, rootlets, glass mortar, sticks
			0.50m ES	0.2							
				0.4		CL		D	MD		
				0.6							
				0.70m							
				0.8			CLAY: medium plasticity, mottled red-orange-grey.				RESIDUAL SOIL
			1.10m ES	1.0		CL-CI		D	D		
				1.20m							
				1.2			Hole Terminated at 1.20 m Target Depth				
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP12

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.70 m LONG 0.60 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		SW	FILL Gravelly SAND: fine to coarse grained, pale yellow-brown, gravel is fine to coarse grained, sub-angular to sub-rounded (sandstone, concrete); with cobbles.	D	L		FILL 0.00-0.50: Sandstone cobbles, concrete rubble, rootlets, bricks, asphalt, and tiles
				0.2							
			0.50m ES	0.4			0.50m				
				0.6		CL-CI	CLAY: low to medium plasticity, brown, trace medium to coarse grained sand.	D			REWORKED NATURAL
				0.8			0.80m				
							CLAY: medium plasticity, red.		D		RESIDUAL SOIL
			1.10m ES	1.0		CI	1.00: Becoming mottled grey-red	D			
				1.2			1.20m				
							Hole Terminated at 1.20 m Target Depth				
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP13

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.70 m LONG 0.55 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
			0.50m ES	0.2			0.30m				
				0.4		CI	CLAY: medium plasticity, mottled red-grey.	D	D		
			1.10m ES	0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP14

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.50 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: low to medium plasticity, brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.80: Rootlets
			0.30m ES	0.2		CI	0.20m CLAY: medium plasticity, red.	D	D		
			0.80m ES	0.8			0.80: Becoming mottled red-orange-grey 0.90m				
				1.0			0.90: Transitioning to weathered material Hole Terminated at 0.90 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP15

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :
SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator
METHOD : Excavation
DATE EXCAVATED : 5/2/2024
LOGGED BY : PV
CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.40 m LONG 0.55 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 200 300 400)	STRUCTURE & Other Observations
				0.0			SILT: brown, trace clay.				RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
			0.10m ES	0.2		ML		D	L - MD		
		Not Encountered					0.30m CLAY: medium plasticity, red-brown.				
			0.40m ES	0.4							
				0.6		CI		D	D		
							0.70: Becoming mottled red-brown-grey				
			0.80m ES	0.8			0.80m Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP16

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 5/2/2024	LOGGED BY : PV CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.60 m LONG 0.60 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
			0.10m ES	0.0		ML	SILT: brown, trace low plasticity clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-1.00: Rootlets
				0.2			0.20m CLAY: medium plasticity, red-brown-grey.				
		Not Encountered	0.40m ES	0.4							
				0.6		CI		D	D		
				0.8							
			1.00m ES	1.0			1.00m MUDSTONE: grey-orange.				EXTREMELY WEATHERED
							1.10m Hole Terminated at 1.10 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP17

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 5/2/2024	LOGGED BY : PV — CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.30 m LONG 0.50 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER (kPa) 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		CL-Cl	CLAY: low to medium plasticity, brown, with silt.	D	MD - D		RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
				0.2							
				0.4					D		
			0.60m ES	0.6		0.60m					
						Cl	CLAY: medium plasticity, red-brown-grey.	D			
				0.8		0.80m					
			0.90m ES			0.90m	MUDSTONE: mottled grey-orange.	D			EXTREMELY WEATHERED
							Hole Terminated at 0.90 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP18

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.60 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER 100 200 300 400 kPa	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			CLAY: medium plasticity, brown.				RESIDUAL SOIL 0.00: Grass cover 0.00-0.40: Rootlets
				0.2		CI		D	D		
				0.4			0.40: Becoming mottled orange-grey-brown				
			0.60m ES	0.6		0.60m	Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP19

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.10 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
				0.2			0.30m				
			0.50m ES	0.4		CL-CI	CLAY: low to medium plasticity, red-brown. 0.50: Becoming mottled red-brown-grey	D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP20

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.70 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL							
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER 100 200 300 400 kPa	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
				0.2							
				0.4			0.50m				
			0.70m ES	0.6		CI	CLAY: medium plasticity, mottled red-grey.	D	D		
				0.8			0.80m				
							Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP21

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.60 m LONG 0.50 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			TOPSOIL SILT: brown, trace clay.	D	L - MD		TOPSOIL 0.00: Grass cover 0.00-0.50: Rootlets
				0.2		ML					
				0.4			0.50m				
							CLAY: medium plasticity, mottled red-grey.				RESIDUAL SOIL
				0.6		CI		D	D		
			0.70m ES				0.70m				
							Hole Terminated at 0.70 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP22

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			SILT: brown, trace clay.	D	L - MD		REWORKED NATURAL 0.00: Grass cover 0.00-0.50: Rootlets
				0.2		ML					
				0.4			0.40m				
			0.50m ES			CI	CLAY: medium plasticity, mottled red-brown-grey.	D	D		RESIDUAL SOIL
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP23

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.20 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.40: Rootlets
				0.2		ML					
				0.4			0.40m				
			0.50m ES			CI	CLAY: medium plasticity, red-brown.	D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP24

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.10 m LONG 0.55 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.40: Rootlets
				0.2		ML					
				0.4			0.40m				
			0.50m ES			CI	CLAY: medium plasticity, red-brown.	D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP25

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.50 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: low to medium plasticity, brown, with clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.30: Rootlets
			0.30m ES	0.2		CI	0.20m CLAY: medium plasticity, red-brown.	D	D		
			0.80m ES	0.4			0.70: Becoming mottled grey-red				
				0.6			0.80m				
				0.8			Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP26

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.50 m LONG 0.80 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			CLAY: low to medium plasticity, brown, with silt.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
			0.50m ES	0.2		CL-CI					
				0.4			0.50m CLAY: medium plasticity, red-brown.				
				0.6					D		
				0.8		CI	0.90: Becoming mottled red-grey	D			
			1.00m ES	1.0			1.00m Hole Terminated at 1.00 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP27

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 5/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	SILT: brown, trace clay.	D	L - MD		RESIDUAL SOIL 0.00: Grass cover 0.00-0.50: Rootlets
			0.30m ES	0.2			0.30m				
				0.4		CI	CLAY: medium plasticity, red-brown.	D	D		
				0.6			0.70: Becoming mottled grey-red				
			0.80m ES	0.8			0.80m Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP32

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 7/2/2024	LOGGED BY : PV — CHECKED BY : HS
EXCAVATION DIMENSIONS : 1.90 m LONG 0.50 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER (kPa) 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		SW	FILL Gravelly Silty SAND: brown, gravel is fine to coarse grained, sub-angular to angular; with (concrete & construction rubble) cobbles.	D	L		FILL 0.00-0.50: Concrete rubble, sticks, rootlets, bricks, tiles, asphalt
			0.50m ES	0.2							
				0.4			0.50m				
				0.6		CI	CLAY: medium plasticity, red-grey mottled.	D	D		RESIDUAL SOIL
			0.80m ES	0.8			0.90m				0.80: Tree root
				1.0			Hole Terminated at 0.90 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP33

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.00 m LONG 0.70 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			Silty CLAY: low to medium plasticity, brown.	D	MD - D		REWORKED NATURAL 0.00: Rubbish on surface 0.00-0.40: Rootlets
			0.40m ES	0.2		CL-CI					
				0.4			0.40m				
			0.70m ES	0.6		CI	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL
				0.8			0.70m Hole Terminated at 0.70 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP34

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 6/2/2024	LOGGED BY : PV CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.20 m LONG 0.60 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
			ES	0.0		SW	FILL Silty SAND: fine to medium grained, brown.	D	L		FILL 0.00: Black plastic 0.00-0.10: Rootlets, weeds
							0.10m				
			0.20m ES	0.2		ML	FILL Sandy Clayey SILT: brown, sand is fine to medium grained; trace medium to coarse grained, sub-angular to angular gravel; trace anthropogenic material (<5%).	D	L - MD		
							0.30m				
		Not Encountered		0.4			CLAY: red-brown.				RESIDUAL SOIL
			0.50m ES								
				0.6		CI		D			
									D		
				0.8							
							0.90m				
							MUDSTONE: mottled red-grey, weathered.	D			EXTREMELY WEATHERED
			1.00m ES	1.0			1.00m				
							Hole Terminated at 1.00 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP35

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.30 m LONG 0.55 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	FILL Sandy Clayey SILT: brown, sand is fine to medium grained; trace medium to coarse grained, sub-angular to angular gravel; trace anthropogenic material (<10%).	D	L - MD		FILL 0.00-0.50: Rootlets, rope, concrete rubble, plastic, wire, styrofoam, and bricks
			0.50m ES	0.2							
				0.4			0.50m				
				0.6		CI	CLAY: red-brown.	D	D		RESIDUAL SOIL
			0.80m ES	0.8			0.80m				
				1.0			Hole Terminated at 0.80 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP36

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.20 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			FILL Clayey Sandy SILT: brown, sand is fine to medium grained; clay is low plasticity; trace fine to coarse grained, sub-angular gravel.				FILL 0.00-0.50: Plastic, HDPE pipe, leaves, twigs, rootlets
			0.40m ES	0.2		ML		D	L - MD		
				0.4			0.50m				
				0.6			CLAY: medium plasticity, mottled red-grey.				RESIDUAL SOIL
			0.90m ES	0.8		CI		D	D		
				1.0			1.00m				
				1.2			Hole Terminated at 1.00 m Target Depth				
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP37

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER 100 200 300 400 kPa	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	TOPSOIL Clayey SILT: low to medium plasticity, black-brown.	D	L - MD		TOPSOIL
			0.30m ES	0.2		CL	FILL Sandy Silty CLAY: brown-orange, sand is fine to medium grained; trace anthropogenic material (10%).	D	MD		FILL 0.10-0.40: Plastic, concrete rubble, tiles
			0.70m ES	0.4		CI	CLAY: medium plasticity, red-orange-brown.	D	D		RESIDUAL SOIL
				0.6			Hole Terminated at 0.70 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP38

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.70 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER (kPa) 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	TOPSOIL Clayey SILT: low to medium plasticity, brown.	D	L - MD		TOPSOIL 0.00-0.10: Rootlets
			0.30m ES	0.2		CL	FILL Sandy Silty CLAY: low plasticity, brown, sand is fine to medium grained; trace anthropogenic material (10%).	D	MD		FILL 0.10-0.40: Brick, plastic, concrete
			0.70m ES	0.4		CI	CLAY: medium plasticity, red-grey.	D	D		RESIDUAL SOIL
				0.8			Hole Terminated at 0.80 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP39

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 6/2/2024	LOGGED BY : PV CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.30 m LONG 0.60 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 200 300 400)	STRUCTURE & Other Observations
			0.10m ES	0.0			FILL Sandy SILT: dark brown, sand is fine to coarse grained; with clay; trace fine to medium grained, sub-angular gravel; trace anthropogenic material (<5%).				FILL 0.00-0.40: Plastic, HDPE pipe, rootlets
				0.2		ML		D	L - MD		
		Not Encountered		0.4			0.40m CLAY: medium plasticity, red.				RESIDUAL SOIL
			0.50m ES	0.6		CI		D	D		
				0.8			0.80: Becoming mottled grey-red				
			1.00m ES	1.0			1.00m Hole Terminated at 1.00 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP40

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.60 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.20m ES	0.0		CL-CI	FILL Sandy Silty CLAY: low to medium plasticity, dark brown, sand is fine to coarse grained; trace fine to medium grained, sub-angular gravel; trace anthropogenic material (<5%).	D	L - MD		FILL 0.00-0.30: Concrete rubble, plastic, tiles, wire/conduit
			0.50m ES	0.2			0.30m				
				0.4			CLAY: medium plasticity, orange-red-grey mottled.				RESIDUAL SOIL
			0.80m ES	0.6		CI		D	D		
				0.8			0.90m				
							Hole Terminated at 0.90 m Target Depth				
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP41

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 7/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 1.90 m LONG 0.60 m WIDE

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		SW	FILL Gravelly Silty SAND: brown, gravel is fine to coarse grained, sub-angular to sub-rounded; with (Concrete & construction rubble) cobbles; anthroprogenic material (<10%).	D	L		FILL 0.00-0.50: Concrete rubble, sticks, rootlets, bricks, tiles 0.10: HDPE pipe (irrigation)
				0.2							
				0.4			0.40m				
			0.60m ES			CI	CLAY: medium plasticity, mottled grey-red.	D	D		RESIDUAL SOIL
				0.6			0.70m				
							Hole Terminated at 0.70 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP42

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 6/2/2024	LOGGED BY : PV CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.10 m LONG 0.60 m WIDE	

EXCAVATION | MATERIAL

DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa	STRUCTURE & Other Observations
0.0			FILL Sandy SILT: low plasticity, black-brown, sand is fine to medium grained; trace fine to coarse grained, sub-angular gravel.				FILL 0.00-0.40: Tiles, bricks, rootlets
0.2		ML		D	L - MD		
0.4			0.40m CLAY: medium plasticity, red.				RESIDUAL SOIL
0.6		CI		D	D		
0.8			0.70: Becoming mottled red-grey 0.80m Hole Terminated at 0.80 m Target Depth				
1.0							
1.2							
1.4							
1.6							
1.8							
2.0							

SAMPLES & FIELD TESTS: 0.10m ES; 0.40m ES; 0.70m ES

GROUND WATER LEVELS: Not Encountered

SUPPORT: —

EXCAVATION PENETRATION: VE / E / F / H

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP43

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.30 m LONG 0.70 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 / 200 / 300 / 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	TOPSOIL Sandy Clayey SILT: brown, clay is low plasticity; sand is fine to medium grained; with coarse, sub-angular gravel; trace anthropogenic material (<2%).	D	L - MD		TOPSOIL 0.00-0.10: Rootlets, concrete rubble, tiles
				0.10m		SP	FILL SAND: medium grained, yellow-brown.	D	L		FILL
				0.2			0.20m				
			0.50m ES	0.4		CI	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL
			0.80m ES	0.8			0.90m				
				1.0			Hole Terminated at 0.90 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP44

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 0.50 m WIDE

EXCAVATION					MATERIAL						
VE PENETRATION E F H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	Clayey SILT: low plasticity, brown.	D	MD		REWORKED NATURAL 0.00-0.20: Rootlets
				0.2			0.20m CLAY: medium plasticity, red.				RESIDUAL SOIL
			0.50m ES	0.4		CI		D	D		
				0.6			0.60m Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP45

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.40 m LONG 1.00 m WIDE

EXCAVATION					MATERIAL						
VE PENETRATION E F H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			FILL Sandy SILT: brown, sand is fine to medium grained; trace low plasticity clay; trace medium to coarse grained, sub-angular to sub-rounded gravel; trace anthropogenic material (<15%).				FILL 0.00-1.10: Plastic rope, bricks, tiles, wire, metal pieces, fabric, teracotta pipe, rootlets, sticks, leaves
				0.2							
			0.50m ES	0.4							0.50: PACM, good condition, approximately 3cm x 3cm
				0.6		ML		D	L		
				0.8							
			1.00m ES	1.0			1.10m				
				1.2			CLAY: medium plasticity, mottled red-grey.		D		RESIDUAL SOIL
			1.50m ES	1.4		CI		D			
				1.6			1.60m Hole Terminated at 1.60 m Target Depth				
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC — Member of the Surbana Jurong Group

PIT NO : STP46

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :
SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator
METHOD : Excavation

DATE EXCAVATED : 6/2/2024
LOGGED BY : PV
CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.50 m LONG 0.80 m WIDE

EXCAVATION					MATERIAL						
PENETRATION VE E F H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	FILL Sandy SILT: brown, sand is fine to medium grained; trace low plasticity clay; trace medium to coarse grained, sub-angular to sub-rounded gravel; trace anthropogenic material (<15%).	D	L - MD		FILL 0.00-0.70: Tiles, plastic, styrofoam, rootlets, leaves
			0.50m ES	0.2							
				0.4							
				0.6							
			0.80m ES	0.8		CI	0.70m CLAY: mottled grey-orange,red. 0.90m	D	D		RESIDUAL SOIL
				1.0			Hole Terminated at 0.90 m Target Depth				
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

SMEC Member of the Surbana Jurong Group

PIT NO : STP47

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW
PROJECT : SINSW Projects
LOCATION : Richard Road Leppington NSW

POSITION :	SURFACE ELEVATION :
EQUIPMENT TYPE : Excavator	METHOD : Excavation
DATE EXCAVATED : 6/2/2024	LOGGED BY : PV — CHECKED BY : HS
EXCAVATION DIMENSIONS : 2.90 m LONG 0.90 m WIDE	

EXCAVATION | MATERIAL

VE / PENETRATION / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa (100 200 300 400)	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0			FILL Sandy SILT: brown, sand is fine to medium grained; trace low plasticity clay; trace medium to corase grained, sub-angular to sub-rounded gravel; trace anthropogenic material (<10%).				FILL 0.00-1.40: Styrofoam, tiles, rope, plastic, sticks, leaves, rootlets, bricks, HDPE pipe, wood pieces 0.10: PACM, good condition, approximately 2cm x 2cm
				0.2							
				0.4							
			0.60m ES	0.6		ML		D	L - MD		
				0.8							
				1.0							
			1.20m ES	1.2							
				1.4			1.40m CLAY: medium plasticity, red-grey mottled.				RESIDUAL SOIL
			1.70m ES	1.6		CI		D	D		
				1.8			1.80m Hole Terminated at 1.80 m Target Depth				
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

EXCAVATION - GEOLOGICAL LOG

PIT NO : STP49

FILE / JOB NO : 30018043

SHEET : 1 OF 1

CLIENT : SINSW PROJECT : SINSW Projects

LOCATION : Richard Road Leppington NSW

POSITION : SURFACE ELEVATION :

EQUIPMENT TYPE : Excavator METHOD : Excavation

DATE EXCAVATED : 6/2/2024 LOGGED BY : PV CHECKED BY : HS

EXCAVATION DIMENSIONS : 2.00 m LONG 0.55 m WIDE

EXCAVATION					MATERIAL						
VE / PENETRATION / E / F / H	SUPPORT	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m) RL (m AHD)	GRAPHIC LOG	USCS CODE	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY RELATIVE DENSITY	POCKET PENETRO-METER kPa 100 200 300 400	STRUCTURE & Other Observations
		Not Encountered	0.10m ES	0.0		ML	Clayey SILT: low plasticity, brown.	D	MD		REWORKED NATURAL 0.00-0.20: Rootlets
			0.50m ES	0.2		CI	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL
				0.6			Hole Terminated at 0.60 m Target Depth				
				0.8							
				1.0							
				1.2							
				1.4							
				1.6							
				1.8							
				2.0							

PHOTOGRAPHS NOTES ☐ YES ☒ NO

See Explanatory Notes for details of abbreviations & basis of descriptions.

SUMMARY TEST PIT LOG

Pit Identifier: **FCF2/3**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
FCF2/3	0.0-0.2	Clayey SILT: low plasticity, brown.	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.20: Rootlets*
	0.2-0.5	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of FCF2/3 step-out locations are the same as test pit FCF2/3	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP45-A**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP45-A	0.0-0.2	Sandy Clayey SILT: brown, clay is low plasticity; sand is fine to medium grained; with coarse, sub-angular gravel; trace anthropogenic material	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.10: Rootlets, concrete rubble, tiles*
	0.2-2.0	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL

Test pit terminated at 2.0m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of STP45-C and STP45-E are the same as test pit STP45-A	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP45-D**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP45-D	0.0-0.5	Clayey SILT: low plasticity, brown.	D	MD	Refer to Appendix G	*FILL* *0.0-0.3 Significant amount of ACM fragments observed*

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments:	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP45-B**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP45-B	0.0-0.5	CLAY: medium plasticity, red.	D	D	Refer to Appendix G	*RESIDUAL SOIL*

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments:	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP45-B**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP45-B	0.0-0.5	CLAY: medium plasticity, red.	D	D	Refer to Appendix G	*RESIDUAL SOIL*

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments:	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **BH2**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
BH2	0.0-0.2	Sandy Clayey SILT: brown, clay is low plasticity; sand is fine to medium grained; with coarse, sub-angular gravel; trace anthropogenic material	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.10: Rootlets, concrete rubble, tiles*
	0.2-0.5	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of BH2 step-out locations are the same as test pit BH2	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **BH4**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
BH4	0.0-0.5	Sandy Clayey SILT: brown, clay is low plasticity; sand is fine to medium grained; with coarse, sub-angular gravel; trace anthropogenic material	D	MD	Refer to Appendix G	*RESIDUAL SOIL* *0.00-0.20m: Concrete rubble, bricks, tiles* *0.30-0.40m: Layer of ACM fragments*
	0.5-2.0	CLAY: medium plasticity, red.	D	D		*RESIDUAL SOIL*

Test pit terminated at 2.0m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of BH4 step-out locations and STP50 are the same as test pit BH4. ACM fragments were also observed in step-out test pit BH4-A and D	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP39**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP39	0.0-0.2	Clayey SILT: low plasticity, brown, trace anthropogenic material	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.20: Rootlets, concrete rubble, bricks, tiles*
	0.2-0.5	CLAY: medium plasticity, red.	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of STP39, BH6, BH9 and SHA16 step-out locations the same as test pit STP39	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **ACM02**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
ACM02	0.0-0.4	FILL Gravelly SAND: fine to coarse grained, pale yellow-brown, gravel is fine to coarse grained, sub-angular to sub-rounded (sst, concrete); with cobbles.	D	MD	Refer to Appendix G	*FILL* *0.00-0.50: cobbles, concrete rubble, rootlets, bricks, and tiles*

Test pit terminated at 0.4m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of ACM02 step-out locations the same as test pit ACM02	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP21**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP21	0.0-0.3	SILT: brown, trace clay.	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.30: Rootlets and grass cover*
	0.3-0.5	CLAY: medium plasticity, mottled red-grey	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of STP21, BH30, STP07, STP08 and SHA01 step-out locations, HA-D, HA-E, HA-F, and HA-G are the same as test pit STP39	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **STP10**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
STP10	0.0-0.02	SILT: brown, trace clay	D	MD	Refer to Appendix G	*TOPSOIL* *0.00-0.02: Rootlets and grass cover*
	0.02-0.3	SILT: brown, trace anthropogenic material				*FILL* *0.02-0.30: Rubbles, concrete, bricks, terracotta tiles*
	0.3-0.5	CLAY: medium plasticity, mottled red-grey	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of STP21 step-out locations, HA-D, HA-E, HA-F, and HA-G are the same as test pit STP39	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **HA-H**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
HA-H	0.0-0.2	SILT: dark brown, trace clay.	W	L	Refer to Appendix G	*FILL*
	0.2-0.5	CLAY: medium plasticity, red	W	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of HA-I and HA-J are the same as hand auger location HA-H	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

SUMMARY TEST PIT LOG

Pit Identifier: **HA-K**

Project:	Leppington Detailed Site Investigation – Additional Sampling	Easting:		Contractor:	Smartscan
Client:	School Infrastructure	Northing:		Equipment Type:	3.5T Excavator
Site:		Elevation:		Pit Dimensions:	
Job No:	30018043	Datum:			

Test Pit ID	Depth (m bgl)	Material Description	Moisture	Consistency / Density	PID (ppm)	Structure and other observations
HA-H	0.0-0.2	SILT: brown	D	MD	Refer to Appendix G	*FILL* *0.0-0.2: rootlets*
	0.2-0.5	CLAY: medium plasticity, red	D	D		RESIDUAL SOIL

Test pit terminated at 0.5m
Target depth reached

Water Inflow: None observed
Water Level: NA

Observations and Comments: The logs of hand auger locations within greenhouse footprint (HA-K, HA-L, HA-M, HA-N, HA-O, HA-P, HA-Q, HA-R, HA-T, HA-U, HA-V, HA-W) are the same as hand auger location HA-K	Logged by: A Huang	Date: 24/07/2024
	Approved by:	Date:

Member of the Surbana Jurong Group

local people
global experience

Explanatory Notes of Abbreviations and Terms

Used on Borehole and Excavation Logs

General

The “Geological and Engineering Log” presents data from drilling or excavation operations where material recovery is soil and or rock. Data presented is a combination of material recovered, regular sampling and in-situ testing. Excavations may present data obtained on the subsurface profile from observations of natural or man-made excavations. Logs may contain scaled graphical presentations, photography, or downhole imagery results. Logs may not contain all data types presented in these notes.

The “Non Core Drill Hole Engineering Log” presents data from drilling operations where a core barrel has not been used. The material is penetrated using methods other than those designed to recover core and is commonly soil or extremely to highly weathered. The “Cored Drill Hole Engineering Log” presents data from drilling operations where a core barrel has been used. The “Excavation - Geological Log” presents data obtained on the subsurface profile from observations of excavations, either natural or anthropogenic.

As far as is practicable, the data contained on the log sheet is factual. Some interpretation is inevitable with respect to the:

a. assessment of material boundaries in areas of partial sampling and recovery,

b. location of areas of core loss,

c. description and classification of material,

d. estimate of field strength, and

e. identification of drilling induced fractures.

Material description and classification is generally based on AS1726-2017 (as amended).

Drilling Method

Code	Description
ADT	Auger drilling with TC-bit
ADV	Auger drilling V-bit
AS	Auger screwing
AT	Air track
CA	Casing advancer
CC	Concrete core
CTR	Cable tool rig
DB	Wash bore drag bit
HA	Hand auger
HAND	Hand methods
HF	Hollow flight auger
HMLC	Diamond core 63.5 mm diameter
HQ / HRQ	Wire line core barrel 63.5 mm diameter
HQ3	Wire line core barrel 61.1 mm diameter
NDD	Non destructive drilling
NMLC	Diamond core 51.9 mm diameter
NQ	Wire line core barrel 47.6 mm diameter
NQ3	Wire line core barrel 45.1 mm diameter
PT	Continuous push tube
PQ	Wire line core barrel 85.0 mm diameter
RAB	Rotary air blast
RC	Reverse circulation
RD	Rotary blade or drag bit
RR	Rock roller
RT	Rotary tricone bit
SD	Sonic drilling
TBX	Tube-X
VC	Vibro-core drilling
WB	Wash bore drilling

Drilling Penetration

Ease of penetration in non-core drilling

Term	Description
VE	Very easy
E	Easy
F	Firm
H	Hard
VH	Very hard

Support and Casing

Code	Description	Code	Description
C	Casing	Hw	114.3 mm
M	Mud	Nw	88.9 mm
W	Water	PVC 150	150 mm

Core Run

Core lifts are identified by a line and depth with core loss per run as a percentage. Core loss is shown in the core run unless otherwise indicated.

Defect Spacing

The average distance between defects is measured parallel to the core axis in mm and may be expressed as a range or average.

Angle / Orientation

Angle from horizontal and orientation to magnetic north.

For inclined cored boreholes the Alpha and Beta angles are presented for orientated core. Alpha (α) is measured relative to the core axis, whilst Beta (β) is measured clockwise from the reference line looking down the core axis in the direction of drilling.

Excavation Method

Term	Definition
N	Natural exposure
X	Existing excavation
BB	Tractor mounted backhoe bucket
EX	Hydraulic excavator
EH	Hydraulic excavator with hammer
B	Bulldozer blade
R	Ripper

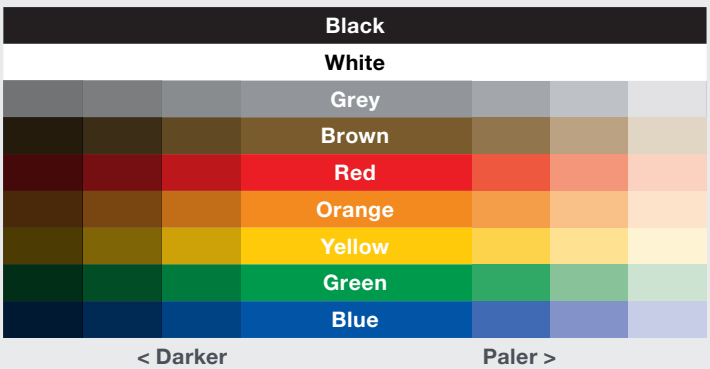
Water / Drilling Fluid

The drilling fluid used is identified and loss of return to the surface is estimated as a percentage, generally of each core lift.

Symbol	Description
	Water inflow
	Water outflow
	Water level: during drilling or immediately after completion of drilling
	Groundwater level with date observed prior to introduction of fluids or after standpipe construction
Not observed	The observation of groundwater, whether present or not, was not possible due to drilling water, surface seepage or cave in of the borehole / test pit.
Not encountered	The borehole / test pit was dry soon after excavation, however groundwater could be present in less permeable strata. Inflow may have been observed had the borehole / test pit been left open for a longer period.

Colour

The colour of a soil or rock is described in a moist/wet condition using simple terms, such as black, white, grey, red, brown, orange, yellow green or blue. These are modified as necessary by 'pale', 'dark' or 'mottled'. Borderline colours are described as a combination of these colours (e.g. orange-brown). Where a soil or rock consists of a primary colour with a secondary mottling it is described as (primary colour) mottled (first colour) and (secondary colour). Where colour is described outside of the material description it is for the interval.



Description of Soil

vi. Soil name (BLOCK LETTERS)

vii. Plasticity or particle size of soil

viii. Colour (i.e. dominant colour of material)

ix. Secondary soil components names & estimated proportions, including their plasticity / particle characteristics, colour

x. Minor soil components name, estimated proportions, including their plasticity / particle characteristics, colour

xi. Other minor soil components

xii. Moisture condition

xiii. Consistency / density

xiv. Structure of soil, geological origin

xv. Additional observations

Particle Size

Term		Grain Size
Clay		< 2 µm
Silt		2 – 75 µm
Sand	Fine	0.075 – 0.21 mm
	Medium	0.21 – 0.6 mm
	Coarse	0.6 – 2.36 mm
Gravel	Fine	2.36 – 6.7 mm
	Medium	6.7 – 19 mm
	Coarse	19 – 63 mm
Cobbles		63 – 200 mm
Boulders		> 200 mm

Fine Grained and Coarse Grained Soils

Term	Description
Fine Grained Soil (cohesive)	More than 35% of the material less than 63 mm is smaller than 0.075 mm (silts and clays)
Coarse Grained Soil	More than 65% of the material less than 63 mm is larger than 0.075 mm (sands, gravels and cobbles)

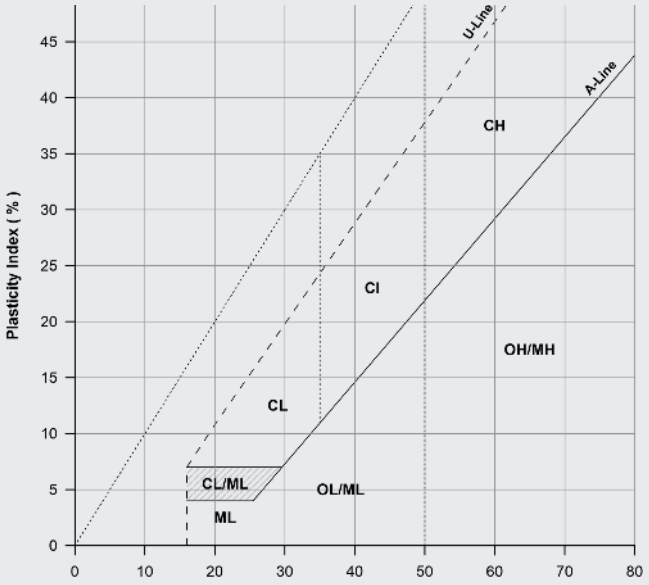
Descriptive Terms for Secondary and Minor Components

Designation of Components	In coarse grained soils				In fine grained soils	
	% Fines	Terminology	% Accessory coarse fraction	Terminology	% Sand / Gravel	Terminology
Minor	≤5	trace	≤ 15	trace	≤ 15	trace
	> 5, ≤ 12	with	> 15, ≤ 30	with	> 15, ≤ 30	with
Secondary	> 12	prefix	> 30	prefix	> 30	prefix

Plasticity – Fine Grained Soils

Liquid Limit (LL) %	Description
≤ 35	Low plasticity (L)
> 35 to ≤ 50	Medium plasticity (I)
> 50	High plasticity (H)

Plasticity Chart– Fine Grained Soils



Consistency Terms – Fine Grained Soils

Term	Undrained shear strength (kPa)	Indicative SPT (N) Blow Count	Field Guide to Consistency
Very Soft (VS)	< 12	0 – 2	Easily penetrated several centimetres by fist, exudes between fingers when squeezed in fist
Soft (S)	12 – 25	2 – 4	Easily penetrated several centimetres by thumb, easily moulded by light finger pressure
Firm (F)	25 – 50	4 – 8	Can be penetrated several centimetres by thumb with moderate effort, and moulded between the fingers by strong pressure
Stiff (St)	50 – 100	8 – 15	Readily indented by thumb but penetrated only with difficultly. Cannot be moulded by fingers
Very Stiff (VSt)	100 – 200	15 – 30	Readily indented by thumb nail, still very tough
Hard (H)	> 200	> 30	Indented with difficulty by thumb nail, brittle
Friable (Fr)	-		Can be easily crumbled or broken into small pieces

Density Terms – Coarse Grained Soils

Term	Density Index (%)	SPT (N) Blow Count
Very Loose (VL)	< 15	0 – 4
Loose (L)	15 – 35	4 – 10
Medium Dense (MD)	35 – 65	10 – 30
Dense (D)	65 – 85	30 – 50
Very Dense (VD)	> 85	> 50

Particle Characteristics – Coarse Grained Soils

Term	Description
Well graded	Having good representation of all particle sizes
Poorly graded	With one or more intermediate size poorly represented
Gap graded	With one or more intermediate sizes absent
Uniform	Essentially of one size

Angularity – Coarse Grained Soils

	Rounded
	Sub-rounded
	Angular
	Sub-angular

Origin of Soil

Fill	Formed by anthropogenic activity
Aeolian	Formed by wind
Alluvial	Formed by streams and rivers
Colluvial	Formed on slopes (talus)
Estuarine	Formed in marine environments
Lacustrine	Formed in lakes
Residual	Formed by weathering insitu

Soil Moisture

	Term	Code	Description
Coarse Grained	Dry	D	Looks and feels dry and free running
	Moist	M	Soil feels cool, darkened in colour, soils tend to stick together, soil grains do not run freely through fingers and no visible free water
	Wet	W	Soil feels cool, darkened in colour, soils tend to stick together, free water on remoulding
Fine Grained	Moist, Less than Plastic Limit	W < PL	Hard and friable or powdery, moisture content well below Plastic Limit
	Moist, Near Plastic Limit	W ≈ PL	Soil feels cool, darkened in colour, can be moulded, near Plastic Limit
	Moist, Wet of Plastic Limit	W > PL	Soil feels cool, dark, usually weakened, free water, moisture content well above Plastic Limit
	Wet, Near Liquid Limit	W ≈ LL	Soil exudes easily
	Wet, Wet of Liquid Limit	W > LL	Soil behaves as a liquid

Boundary Classifications

Soils possessing characteristics of two groups are designated by combinations of group symbols. For example, GW-GC, well graded gravel-sand mixture with clay binder.

Graphic Symbols

	Asphalt		MH
	CH		ML
	CI		OH
	CL		OL
	Concrete		PT
	Fill		SC
	GC		SM
	GM		SP
	GP		SW
	GW		Topsoil

Soil Classification

Soils are described in general accordance with AS1726-2017 as shown below.

FIELD IDENTIFICATION PROCEDURES (Excluding particles larger than 63 mm and basing fractions on estimated mass)						GROUP SYMBOL	PRIMARY NAME
COARSE GRAINED SOILS More than 65% of the material is less than 63 mm and is larger than 0.075 mm	A particle size of 0.075 is about the smallest size distinguishable to the naked eye	**GRAVELS** More than half of coarse fraction is larger than 2.36 mm	**CLEAN GRAVELS** (Little or no fines)	Wide range in grain size and substantial amounts of all intermediate particle sizes, not enough fines to bind coarse grains, no dry strength; ≤ 5% fines		GW	GRAVEL
				Predominantly one size or a range of sizes with more intermediate sizes missing, not enough fines to bind coarse grains, no dry strength; ≤ 5% fines		GP	GRAVEL
			GRAVELS w/ FINES (Appreciable amount of fines)	'Dirty' materials with excess of non-plastic fines, none to medium dry strength; ≥ 12% silty fines		GM	SILTY GRAVEL
				'Dirty' materials with excess of plastic fines, medium to high dry strength; ≥ 12% clayey fines		GC	CLAYEY GRAVEL
		SANDS More than half of coarse fraction is smaller than 2.36 mm	**CLEAN SANDS** (Little or no fines)	Wide range in grain size and substantial amounts of all intermediate particle sizes, not enough fines to bind coarse grains, no dry strength; ≤ 5% fines		SW	SAND
				Predominantly one size or a range of sizes with more intermediate sizes missing, not enough fines to bind coarse grains, no dry strength; ≤ 5% fines		SP	SAND
			SANDS w/ FINES (Appreciable amount of fines)	'Dirty' materials with excess of non-plastic fines, none to medium dry strength; ≥ 12% silty fines		SM	SILTY SAND
				'Dirty' materials with excess of plastic fines, medium to high dry strength; ≥ 12% clayey fines		SC	CLAYEY SAND
FINE GRAINED SOILS More than 35% of the material less than 63 mm is less than 0.075 mm		**IDENTIFICATION PROCEDURES ON FRACTIONS** < 0.075 mm					
		SILTS AND CLAYS Liquid Limit < 50%	**DRY STRENGTH**	**DILATANCY**	**TOUGHNESS**	**GROUP SYMBOL**	**PRIMARY NAME**
			None to low	Slow to rapid	Low	ML	SILT
			Medium to high	≥ 12% clayey fines	Medium	CL, CI*	CLAY
			Low to medium	Slow	Low	OL	ORGANIC SILT
		SILTS AND CLAYS Liquid Limit > 50%	Low to medium	None to slow	Low to medium	MH	SILT
			High to very high	None	High	CH	CLAY
			Medium to high	None to very slow	Low to medium	OH	ORGANIC CLAY
HIGHLY ORGANIC SOILS: readily identified by colour, odour, spongy feel and frequently fibrous texture						PT	PEAT

* CL is low plasticity clay, CI is medium plasticity clay

Description of Rock

i. Rock name (BLOCK LETTERS)
ii. Grain size and mineralogy
iii. Colour (i.e. dominant colour of material)
iv. Fabric and texture
v. Features, inclusions, minor components, moisture content and durability
vi. Strength
vii. Weathering and/or alteration
viii. Rock mass properties – discontinuities and structure of rock
ix. Interpreted stratigraphic unit
x. Additional observations including geological structure

Simple rock names are used to provide a reasonable engineering description, rather than a precise geological classification. The rock name is chosen by considering the nature and shape of the grains or crystals, the texture and fabric of the rock material, the geological structure and setting, and information from the geological map of the area. Further guidance on the naming of rocks can be found in AS1726-2017, Tables 15, 16, 17 and 18. Typical rock types are described below, though subject to site specific variations.

Rock Type	Description	Example of Rock Name
Sedimentary	Formed by deposited beds of sediments, have grains that are cemented together and often rounded. Significant porosity	COMMON: Conglomerate, Breccia, Sandstone, Mudstone, Siltstone, Claystone ≥90% CARBONATE: Limestone, Dolomite, Calcirudite, Calcarenite, Calcisiltite, Calcilutite PYROCLASTIC: Agglomerate, Volcanic Breccia, Tuff
Igneous	Formed from molten rock and have a crystalline texture. Typically massive and low porosity. Rock types are from coarse to fine grained.	HIGH QUARTZ CONTENT: Granite, Microgranite, Rhyolite MODERATE QUARTZ CONTENT: Diorite, Microdiorite, Andesite LOW QUARTZ CONTENT: Gabbro, Dolerite, Basalt
Metamorphic	Formed when rocks are subject to heat and/or pressure and have typically have directional fabric. Typically have low porosity and crystalline structure. Rock types are from coarse to fine grained	FOLIATED: Gneiss, Schist, Phyllite, Slate NON-FOLIATED: Marble, Quartzite, Serpentinite, Hornfels
Duricrust	Formed as part of a weathering profile and show evidence of being cemented in situ. Cementation is typically irregular and exhibits replacement textures.	Ferricrete (Iron oxides and hydroxides) Silicrete (Silica) Calcrete (Calcium carbonate) Gypcrete (Gypsum)

Note: ( ) denotes dominant cementing mineralogy

Grain Size

Terms describing dominate grain size in sedimentary rocks.

Term	Grain size
Coarse	Mainly 0.6 mm to 2.0 mm
Medium	Mainly 0.2 mm to 0.6 mm
Fine	Mainly 0.06 mm (just visible) to 0.2 mm

Terms describing dominate grain size in igneous and metamorphic rocks

Term	Grain size
Coarse	Mainly greater than 2 mm
Medium	0.06 mm to 2 mm
Fine	Mainly less than 0.06 mm (just visible) to 0.2 mm

Texture and Fabric

Sedimentary rocks

Thickness	Bedding Term
< 6 mm	Thinly laminated
6 – 20 mm	Laminated
20 – 60 mm	Very thinly bedded
60 – 200 mm	Thinly bedded
0.2 – 0.6 m	Medium bedding
0.6 – 2 m	Thickly bedded
> 2 m	Very thickly bedded

Igneous rocks

Term	Definition
Amorphous	Indicates that the rock has no obvious crystalline structure
Crystalline	A regular molecular structure, showing crystal structure and symmetry.
Cryptocrystalline	The texture comprises crystals that are too small to recognise under an ordinary microscope. Indistinctly crystalline.
Porphyritic	Indicates the presence of phenocrysts (relatively large crystals in a fine grained ground mass) in igneous rocks.
Flow banded	Indicates visible flow lines in volcanic rocks and some intrusive rocks
Glassy	Entirely glass like. No crystalline units and without crystalline structure.
Vesicular	A texture of volcanic rocks that indicates the presence of vesicles (small gas bubbles). Where the vesicles are filled with a mineral substance they are termed Amygdales and the texture is Amygdaloidal.

Metamorphic

Term	Definition
Foliation	The parallel arrangement of minerals due to metamorphic process, which shall be defined by the terms in weak, moderate and strongly foliated.
Porphyroblastic	A texture indicating the presence of porphyroblasts (larger crystals formed by recrystallization during metamorphism, such as garnet or staurolite in a mica schist).
Cleavage	A type of foliation developed in fine grained metamorphic rocks such as slates.

Bedding and Fabric Development

Type	Definition
Massive	No obvious development of bedding – rock appears homogeneous
Poorly Developed	Bedding is barely obvious as faint mineralogical layering or grain size banding, but bedding planes are poorly defined.
Well Developed	Bedding is apparent in outcrops or drill core as distinct layers or lines marked by mineralogical or grain size layering.
Very Well Developed	Bedding is often marked by a distinct colour banding as well as by mineralogical or grain size layering.
Indistinct Fabric	There is little effect on strength properties
Distinct Fabric	The rock may break more easily parallel to the fabric

Rock Strength

Term (Code)	UCS (MPa)	$Is_{(50)}$ (MPa)	Field Guide to Strength
Very Low (VL)	0.6 - 2	> 0.03 to ≤ 0.1	Material crumbles under firm blows with sharp end of pick; can be peeled with knife; too hard to cut a triaxial sample by hand. Pieces up to 3 cm thick can be broken by finger pressure.
Low (L)	2 - 6	> 0.1 to ≤ 0.3	Easily scored with a knife; indentations 1 mm to 3 mm show in the specimen with firm blow of the pick point; has dull sound under hammer. A piece of core 150 mm long 50 mm in diameter may be broken by hand. Sharp edges of core may be friable and break during handling.
Medium (M)	6 - 20	> 0.3 to ≤ 1.0	Readily scored with a knife; a piece of core 150 mm long by 50 mm in diameter can be broken by hand with difficulty.
High (H)	20 - 60	> 1 to ≤ 3	A piece of core 150 mm long by 50 mm in diameter cannot be broken by hand but can be broken by a pick with a single firm blow; rock rings under hammer.
Very High (VH)	60 - 200	> 3 to ≤ 10	Hand specimen breaks with pick after more than one blow; rock rings under hammer.
Extremely High (EH)	> 200	> 10	Specimen requires many blows with geological pick to break through intact material; rock rings under hammer.

Rock strength is assessed by laboratory Uniaxial Compressive Strength (UCS) testing and/or Point Load Strength Index (PLT) testing to obtain the $Is_{(50)}$ the strength table implies a 20 times correlation between $Is_{(50)}$ and UCS used for classification. Note however, multiplier may range from 4 (e.g. some carbonated and low strength rocks) to 40 (e.g. some igneous rocks and/or some high strength rocks). A site specific correlation based on testing, previous investigation or literature may be used where available. These terms refer to the strength of the rock material and not to the strength of the rock mass which may be considered weaker due to the effect of rock defects.

Visual Log

A diagrammatic plot of defects showing type, spacing and orientation in relation to the core axis.

- Defects open in situ or clay sealed
- Defects closed in-situ
- Drill induced fractures or handling breaks
- Infilled seam

Rock Weathering and or Alteration Classification

Term (Code)		Definition	
Residual soil (RS)		Soil developed on extremely weathered rock. The rock mass structure and substance fabric are no longer evident but the soil has not been significantly transported.	
Extremely weathered (XW) Extremely altered (XA)		Rock is weathered to such an extent that it has 'soil' properties, i.e, it either disintegrates or can be remoulded in water, but the texture of original rock is still evident.	
Highly weathered (HW) Highly Altered (HA)	Distinctly weathered (DW)*	Whole rock material is discoloured usually by extent that iron staining or bleaching and other signs of chemical or physical decomposition are evident. Porosity and strength may be increased or decreased compared to the fresh rock usually as a result of iron leaching or deposition. The colour and strength of the original rock substance is no longer recognisable	*Where is it not practical to distinguish between 'HW' and MW'. Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores
Moderately weathered (MW) Moderately Altered (MA)	Distinctly Altered (DA)	Whole rock material is discoloured usually by staining that original colour of the fresh rock is no longer recognisable	
Slightly weathered (SW) Slightly altered (SA)		Rock is slightly discoloured but shows little or no change of strength from fresh rock	
Fresh rock (FR)		Rock shows no sign of decomposition or staining.	

Rock Core Recovery

TCR = Total Core Recovery (%)

$$\frac{\textbf{Length of Core Recovered}}{\textbf{Length of Core run}} \times 100$$

SCR = Solid Core Recovery (%)

$$\frac{\textbf{Sum Length of Cylindrical Core Recovered}}{\textbf{Length of Core run}} \times 100$$

RQD = Rock Quality Designation (%)

$$\frac{\textbf{Sum Length of Sound Core Pieces > 100mm in length}}{\textbf{Length of Core run}} \times 100$$

Types of Defects

Term		Code	Description
Parting		PT	A surface or crack across which the rock has little or no tensile strength. Parallel or sub-parallel to layering (e.g. bedding) or a planar anisotropy in the rock material (i.e. cleavage). May be opened or closed.
Joint		JT	A surface or crack with no apparent shear displacement and across which the rock has little or no tensile strength, but which is not parallel or sub-parallel to layering or to planar anisotropy in the rock material. May be open or closed.
Sheared Surface		SR	A near planar, curved or undulating surface which is usually smooth, polished or slickensided and which shows evidence of shear displacement.
Sheared Zone		SZ	Zone of rock material with roughly parallel, near planar, curved, or undulating boundaries cut by closely spaced joints, sheared surfaces or other defects. Some of the defects are usually curved and intersect to divide the mass into lenticular or wedge-shaped blocks.
Crushed Zone [a]		CZ	A zone of broken and disturbed ground containing more than one identifiable Crushed Seam.
Fracture Zone [a]		FZ	A zone of broken ground with parallel to opposing boundaries dominated by abundant, extremely closely to closely spaced defects, which may be intact or open, and planar, curved, undulating, irregular, or stepped, resulting in a dissected rock mass of angular trapezoidal, triangular or rectangular fragments.
Seam (SE)	Sheared Seam	SS	Seam of soil material with roughly parallel almost planar boundaries, composed of soil materials with roughly parallel near planar, curved or undulating boundaries cut by closely spaced joints, sheared surfaces or other defects. Some of the defects are usually curved and intersect to divide the mass into lenticular or wedge-shaped blocks.
	Crushed Seam	CS	Seam of soil material with roughly parallel almost planar boundaries, composed of disoriented, usually angular fragments of the host rock material which may be more weathered than the host rock. The seam has soil properties.
	Infilled Seam	IS	Seam of soil material usually with distinct roughly parallel boundaries formed by the migration of soil into an open cavity or joint, infilled seams less than 1 mm thick may be described as a veneer or coating on a joint surface.
	Extremely Weathered Seam	XS	Seam of soil material, often with gradational boundaries. Formed by weathering of the rock material in place.
Fault [b]		FT	A fracture (defect) or fracture zone along which there has been an observable amount of displacement.
Vein [c]		VE	Any fracture that contains mineralized material. Veins can display either crack-normal extension or shear displacement coupled with crack-normal extension.
Vugh [a]		VG	An open void with secondary crystallisation which may be coated, partly or nearly completely filled.
Void [a]		VO	An open space created through natural or anthropogenic processes, including, but not limited to, caves, kettles, tunnels, mines, pipes, piping, landslides, faulting, shearing, dissolution, & erosion.
Mechanical Break		MB	A fracture or break induced or created by the sampling process (i.e. drilling (DB) handling (HB), drill lift (DL), excavation, or blasting).

All definitions as per AS1726-2017, except:

[a] SMEC Field Manual,
[b] British Standard BS 5930:2015, and
[c] Glossary of Geology (Fifth Edition - revised) (2011), American Geosciences Institute.

Defect Planarity

Code	Description
CR	Curved – A defect with a gradual change in orientation
IR	Irregular – A defect with many sharp changes in orientation
PL	Planar – Defect forms a continuous plane without variation in orientation
ST	Stepped – A defect with distinct sharp steps or step
UN	Undulose – A defect with undulations

Defect Roughness

Code	Description
RO	Rough – Many small surface irregularities generally related to the grain size of the parent rock
SM	Smooth – Few or no surface irregularities related to the grain size of the parent rock
PO	Polished – Planes have a distinct sheen or a smoothness
SL	Slickensided – Planes have a polished, grooved or striated surface consistent with differential movement of the parent rock along the plane
VR	Very rough – many large surface irregularities, amplitude generally more than 1mm

Type of Structures

Term	Code	Description
Bedding	BD	A layered arrangement of minerals parallel to the surface of deposition which has caused planar anisotropy in the rock substance.
Cleavage	CV	An alignment of fine grained minerals caused by deformation.
Schistosity	SH	A layered arrangement of minerals to each other
Foliation	FO	A planar alignment of minerals caused by deformation.
Void	VO	A completely empty space
Dyke	DK	Sheet-like bodies of igneous rock that cut across sedimentary bedding or foliations in rocks. They may be single or multiple in nature
Sill	SL	A sill is an intrusion of magma that spreads underground between the layers of another kind of rock
Contact	CX	A contact between intrusive and stratigraphic units.
Boundary	BN	A distinct boundary between two stratigraphic units
Vugh	VG	An open void with crystalisation

Note: Drill breaks (DB) and handling breaks (HB) are not included as natural discontinuity.

Discontinuity Spacing

Spacing (mm)	Description
> 6000	Extremely Widely Spaced
2000 - 6000	Very Widely Spaced
600 - 2000	Widely Spaced
200 - 600	Medium Spaced
60 - 200	Closely Spaced
20 - 60	Very Closely Spaced
< 20	Extremely Closely Spaced

Infill Material

Code	Name	Code	Name
Ap	Apatite	Ga	Galena
Ca	Calcite	Gp	Gypsum
Ch	Chlorite	Mn	Manganese
Cl	Clay	MnO	Manganese Oxide
Co	Coal	MS	Secondary mineral
Ep	Epidote	Py	Pyrite
Fe	Limonite/ Ironstone/ Goethite	Um	Unidentified mineral
FeO	Iron oxide	Qz	Quartz
Fs	Feldspar	X	Carbonaceous
		Ze	Zeolite

Discontinuity Observation

Term	Code	Description
Clean	CN	No visible coating or infill
Stain	SN	No visible coating or infill but surfaces are discoloured by mineral staining
Veneer < 1 mm	VN	A visible coating or soil or mineral substance but usually unable to be measured. If discontinuous over the plane, patchy veneer.
Coating > 1 mm to < 10 mm	CT	A visible coating or infilling of soil or mineral substance. Describe composition and thickness.
Filling (Filled) > 10 mm	FD	A visible filling of soil or mineral substance. Describe composition and thickness.

Discontinuity Orientation

Code	Description
VT	Vertical
HO	Horizontal
RL	Top right to bottom left
LR	Top left to bottom right

Samples and Field Tests

Code	Description
B	Bulk disturbed sample
BLK	Block sample
C	Core sample
CBR	CBR Mould Sample
CPT_u	Cone Penetration Test (with pore pressure)
DT	Dilatometer
DS	Small disturbed sample
ES	Soil sample for environmental testing
EW	Water sample for environmental testing
FP	Pressuremeter
G	Gas sample
H	Hydraulic fracturing
HP	Hand penetrometer test
I	Impression device
$Is_{(50)}$	Point Load Index
K	Permeability
LB	Large bulk disturbed sample
N	Standard penetration test result (N* denotes SPT sample recovery)
O	Core orientation
P	Piston sample
PID	Photoionisation detector reading in ppm
PP	Penetrometer
R	Hammer bouncing / refusal
SPT	Standard Penetration Test
U	Undisturbed push in sample
UCS	Uniaxial Compressive Strength
U50	Undisturbed tube sample (50 mm diameter)
U75	Undisturbed tube sample (75 mm diameter)
U100	Undisturbed tube sample (100 mm diameter)
VS	Vane shear test
● (A)	Axial Test
○ (D)	Diametral Test
□	Irregular Lump test

Laboratory Tests

Code	Description
ACM	Asbestos Containing Material
CD	Consolidated Drained
CU	Consolidated Undrained
LL	Liquid Limit
LS	Linear Shrinkage
MC	Moisture Content
MDD	Maximum Dry Density
OMC	Optimum Moisture Content
PBT	Plate Bearing Test
PI	Plasticity Index
PL	Plastic Limit
PSD	Particle Size Distribution
ρ_b	Bulk Density
ρ_p	Particle Density
ρ_d	Dry Density
UU	Undrained Unconsolidated

Backfill / Standpipe Detail

Symbol	Description	Symbol	Description
	Cement seal		Filter pack: sand filter
	Grout backfill GP -Cement BE - Bentonite Cement		Filter pack: gravel filter
	Un-slotted pipe		Bentonite seal
	Slotted pipe		Cutting – excavated material backfill
	Surface Completion: Monument Above Ground		Surface Completion: Gatic Ground Monument

Completion Details

Type	Description
Collapse	Exploratory hole collapsed before reaching planned depth
Equipment Failure	Boring or excavator equipment operational failure
Flooding	Flooding of excavation
Machine Limit	Limit of machine capability reached
Obstruction	Obstruction preventing further advancement
Operator Limit	Limit of operator limit/safety reached
Possible services	Indication of possible services below
Services present	Services encountered during exploratory hole
Squeezing	Hole squeezing boring equipment
Target Depth	Depth reached as planned
Target Depth (Instrumentation Installed)	Depth reached as planned instrumentation installed
Target Depth (Standpipe Installed)	Depth reached as planned open standpipe constructed
Material Refusal	Material preventing further advancement

Status

Code	Description
-2	Historic
-1	For information
0	Preliminary
1	Checked
2	Draft
3	Final

Appendix G

Field Monitoring Results

SMEC Australia Pty Ltd
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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
SHA01	0.10	07/02/2024	15.7	No odour, No Staining
SHA01	0.50	07/02/2024	23.7	No odour, No Staining
SHA02	0.10	07/02/2024	12.6	No odour, No Staining
SHA02	0.50	07/02/2024	21.7	No odour, No Staining
SHA03	0.10	07/02/2024	10.2	No odour, No Staining
SHA03	0.50	07/02/2024	7.5	No odour, No Staining
SHA04	0.10	08/02/2024	16.2	No odour, No Staining
SHA04	0.50	08/02/2024	10.6	No odour, No Staining
SHA05	0.10	6/02/2024	22.1	No odour, No Staining
SHA05	0.50	6/02/2024	26.8	No odour, No Staining
SHA06	0.10	6/02/2024	25.0	No odour, No Staining
SHA06	0.50	6/02/2024	42.7	No odour, No Staining
SHA07	0.10	6/02/2024	45.7	No odour, No Staining
SHA07	0.60	6/02/2024	27.0	No odour, No Staining
SHA08	0.10	6/02/2024	14.8	No odour, No Staining
SHA08	0.60	6/02/2024	50.1	No odour, No Staining
SHA09	0.10	6/02/2024	37.6	No odour, No Staining
SHA09	0.60	6/02/2024	43.5	No odour, No Staining
SHA10	0.10	6/02/2024	47.6	No odour, No Staining
SHA10	0.50	6/02/2024	35.4	No odour, No Staining
SHA11	0.10	6/02/2024	21.1	No odour, No Staining
SHA11	0.50	6/02/2024	26.5	No odour, No Staining
SHA12	0.10	6/02/2024	13.7	No odour, No Staining
SHA12	0.50	6/02/2024	18.5	No odour, No Staining
SHA13	0.10	07/02/2024	49.8	No odour, No Staining
SHA13	0.50	07/02/2024	51.2	No odour, No Staining
SHA14	0.00	08/02/2024	13.2	0.0m fertiliser odour, No Staining
SHA14	0.50	08/02/2024	16.5	No odour, No Staining
SHA15	0.10	07/02/2024	8.8	No odour, No Staining
SHA15	0.50	07/02/2024	13.6	No odour, No Staining
SHA29	0.10	08/02/2024	16.3	No odour, No Staining
SHA29	0.60	08/02/2024	3.1	No odour, No Staining
SHA30	0.10	08/02/2024	3.1	No odour, No Staining
SHA30	0.60	08/02/2024	10.2	No odour, No Staining
SHA31	0.10	08/02/2024	5.4	No odour, No Staining
SHA31	0.60	08/02/2024	6.1	No odour, No Staining
SHA48	0.20	6/02/2024	10.8	No odour, No Staining
SHA48	0.60	6/02/2024	18.5	No odour, No Staining
STP01	0.10	07/02/2024	22.2	No odour, No Staining
STP01	0.50	07/02/2024	17.2	No odour, No Staining
STP02	0.10	05//02/2024	2.7	No odour, No Staining
STP02	0.40	05//02/2024	3.2	No odour, No Staining
STP02	0.70	05//02/2024	3.2	No odour, No Staining
STP03	0.10	05//02/2024	2.5	No odour, No Staining
STP03	0.30	05//02/2024	2.6	No odour, No Staining
STP03	0.80	05//02/2024	2.5	No odour, No Staining
STP04	0.10	05//02/2024	2.9	No odour, No Staining
STP04	0.50	05//02/2024	2.7	No odour, No Staining
STP04	0.80	05//02/2024	2.7	No odour, No Staining
STP05	0.10	05//02/2024	3.2	No odour, No Staining
STP05	0.40	05//02/2024	4.6	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
STP05	0.90	05//02/2024	5.2	No odour, No Staining
STP06	0.10	07/02/2024	12.6	No odour, No Staining
STP06	0.50	07/02/2024	14.4	No odour, No Staining
STP07	0.10	05//02/2024	1.2	No odour, No Staining
STP07	0.50	05//02/2024	2.7	No odour, No Staining
STP07	0.80	05//02/2024	2.9	No odour, No Staining
STP08	0.10	05//02/2024	1.3	No odour, No Staining
STP08	0.40	05//02/2024	2.0	No odour, No Staining
STP08	1.00	05//02/2024	3.7	No odour, No Staining
STP09	0.10	05//02/2024	2.4	No odour, No Staining
STP09	0.30	05//02/2024	2.6	No odour, No Staining
STP09	0.70	05//02/2024	2.4	No odour, No Staining
STP10	0.10	05//02/2024	18.5	No odour, No Staining
STP10	0.50	05//02/2024	39.2	No odour, No Staining
STP10	0.90	05//02/2024	47.8	No odour, No Staining
STP11	0.10	07/02/2024	16.1	No odour, No Staining
STP11	0.50	07/02/2024	19.9	No odour, No Staining
STP11	1.10	07/02/2024	19.3	No odour, No Staining
STP12	0.10	07/02/2024	16.7	No odour, No Staining
STP12	0.50	07/02/2024	35.5	No odour, No Staining
STP12	1.10	07/02/2024	38.5	No odour, No Staining
STP13	0.10	07/02/2024	49.8	No odour, No Staining
STP13	0.50	07/02/2024	51.2	No odour, No Staining
STP14	0.10	05//02/2024	50.9	No odour, No Staining
STP14	0.30	05//02/2024	22.2	No odour, No Staining
STP14	0.80	05//02/2024	32.1	No odour, No Staining
STP15	0.10	05//02/2024	24.6	No odour, No Staining
STP15	0.40	05//02/2024	25.7	No odour, No Staining
STP15	0.80	05//02/2024	22.8	No odour, No Staining
STP16	0.10	05//02/2024	55.6	No odour, No Staining
STP16	0.40	05//02/2024	30.0	No odour, No Staining
STP16	1.00	05//02/2024	23.9	No odour, No Staining
STP17	0.10	05//02/2024	26.0	No odour, No Staining
STP17	0.60	05//02/2024	21.2	No odour, No Staining
STP17	0.90	05//02/2024	30.8	No odour, No Staining
STP18	0.10	05//02/2024	3.2	No odour, No Staining
STP18	0.60	05//02/2024	2.9	No odour, No Staining
STP19	0.10	07/02/2024	10.4	No odour, No Staining
STP19	0.50	07/02/2024	21.0	No odour, No Staining
STP20	0.10	07/02/2024	44.4	No odour, No Staining
STP20	0.70	07/02/2024	37.7	No odour, No Staining
STP21	0.10	07/02/2024	41.0	No odour, No Staining
STP21	0.70	07/02/2024	22.7	No odour, No Staining
STP22	0.10	07/02/2024	21.8	No odour, No Staining
STP22	0.50	07/02/2024	24.0	No odour, No Staining
STP23	0.10	07/02/2024	21.0	No odour, No Staining
STP23	0.50	07/02/2024	11.7	No odour, No Staining
STP24	0.10	07/02/2024	20.4	No odour, No Staining
STP24	0.50	07/02/2024	27.1	No odour, No Staining
STP25	0.10	05//02/2024	27.3	No odour, No Staining
STP25	0.30	05//02/2024	37.6	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
STP25	0.80	05//02/2024	51.7	No odour, No Staining
STP26	0.1	05//02/2024	27.6	No odour, No Staining
STP26	0.5	05//02/2024	24.3	No odour, No Staining
STP26	1.0	05//02/2024	33.6	No odour, No Staining
STP27	0.1	05//02/2024	2.0	No odour, No Staining
STP27	0.3	05//02/2024	30.1	No odour, No Staining
STP27	0.8	05//02/2024	37.6	No odour, No Staining
STP32	0.1	07/02/2024	8.8	No odour, No Staining
STP32	0.5	07/02/2024	13.6	No odour, No Staining
STP32	0.8	07/02/2024	7.4	No odour, No Staining
STP33	0.1	6/02/2024	22.4	No odour, No Staining
STP33	0.4	6/02/2024	27.5	No odour, No Staining
STP33	0.7	6/02/2024	22.2	No odour, No Staining
STP34	0.0	6/02/2024	11.6	No odour, No Staining
STP34	0.2	6/02/2024	13.2	No odour, No Staining
STP34	0.5	6/02/2024	15.2	No odour, No Staining
STP34	1.0	6/02/2024	14.0	No odour, No Staining
STP35	0.1	6/02/2024	24.2	No odour, No Staining
STP35	0.5	6/02/2024	23.2	No odour, No Staining
STP35	0.8	6/02/2024	34.6	No odour, No Staining
STP36	0.1	6/02/2024	27.4	No odour, No Staining
STP36	0.4	6/02/2024	27.2	No odour, No Staining
STP36	0.9	6/02/2024	19.3	No odour, No Staining
STP37	0.1	6/02/2024	29.1	No odour, No Staining
STP37	0.3	6/02/2024	41.3	No odour, No Staining
STP37	0.7	6/02/2024	40.9	No odour, No Staining
STP38	0.1	6/02/2024	21.5	No odour, No Staining
STP38	0.3	6/02/2024	26.5	No odour, No Staining
STP38	0.7	6/02/2024	37.0	No odour, No Staining
STP39	0.1	6/02/2024	24.6	No odour, No Staining
STP39	0.5	6/02/2024	22.6	No odour, No Staining
STP39	1.0	6/02/2024	21.5	No odour, No Staining
STP40	0.2	6/02/2024	30.0	No odour, No Staining
STP40	0.5	6/02/2024	36.6	No odour, No Staining
STP40	0.8	6/02/2024	28.2	No odour, No Staining
STP41	0.1	07/02/2024	8.0	No odour, No Staining
STP41	0.6	07/02/2024	11.4	No odour, No Staining
STP42	0.1	07/02/2024	36.9	No odour, No Staining
STP42	0.4	07/02/2024	30.7	No odour, No Staining
STP42	0.7	07/02/2024	28.2	No odour, No Staining
STP43	0.0	07/02/2024	15.9	No odour, No Staining
STP43	0.1	07/02/2024	24.9	No odour, No Staining
STP43	0.5	07/02/2024	30.3	No odour, No Staining
STP43	0.8	07/02/2024	21.2	No odour, No Staining
STP45	0.1	6/02/2024	45.7	No odour, No Staining
STP45	0.5	6/02/2024	47.8	No odour, No Staining
STP45	1.0	6/02/2024	43.3	No odour, No Staining
STP45	1.5	6/02/2024	1.5	No odour, No Staining
STP46	0.0	6/02/2024	26.0	No odour, No Staining
STP46	0.5	6/02/2024	32.0	No odour, No Staining
STP46	0.8	6/02/2024	27.0	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
STP47	0.1	6/02/2024	8.1	No odour, No Staining
STP47	0.6	6/02/2024	28.0	No odour, No Staining
STP47	1.2	6/02/2024	24.0	No odour, No Staining
STP47	1.7	6/02/2024	10.8	No odour, No Staining
STP49	0.0	6/02/2024	23.0	No odour, No Staining
STP49	0.20	6/02/2024	32.6	No odour, No Staining
SSED01	-	07/02/2024	9.1	No odour, No Staining
SSED02	-	07/02/2024	10.7	No odour, No Staining
FCF2/3	0.20	24/07/2024	10.0	No odour, No Staining
FCF2/3-A	0.00	24/07/2024	10.2	No odour, No Staining
FCF2/3-B	0.00	24/07/2024	9.8	No odour, No Staining
FCF2/3-C	0.00	24/07/2024	7.2	No odour, No Staining
FCF2/3-D	0.00	24/07/2024	6.0	No odour, No Staining
FCF2/3-E	0.00	24/07/2024	6.0	No odour, No Staining
FCF2/3-F	0.00	24/07/2024	9.2	No odour, No Staining
FCF2/3-G	0.00	24/07/2024	11.2	No odour, No Staining
FCF2/3-H	0.00	24/07/2024	20.6	No odour, No Staining
STP45-A	0.00	24/07/2024	13.1	No odour, No Staining
STP45-A	0.20	24/07/2024	12.7	No odour, No Staining
STP45-A	1.00	24/07/2024	15.9	No odour, No Staining
STP45-C	0.00	24/07/2024	14.9	No odour, No Staining
STP45-D	0.00	24/07/2024	9.6	No odour, No Staining
STP45-E	0.00	24/07/2024	20.0	No odour, No Staining
BH2	0.30	24/07/2024	11.6	No odour, No Staining
BH2-A	0.00	24/07/2024	17.5	No odour, No Staining
BH2-B	0.00	24/07/2024	20.1	No odour, No Staining
BH2-C	0.00	24/07/2024	20.1	No odour, No Staining
BH2-D	0.00	24/07/2024	19.6	No odour, No Staining
BH2-E	0.00	24/07/2024	28.5	No odour, No Staining
BH2-F	0.00	24/07/2024	20.1	No odour, No Staining
BH4	0.30	24/07/2024	4.5	No odour, No Staining
BH4	0.50	24/07/2024	2.4	No odour, No Staining
BH4-A	0.00	24/07/2024	2.5	No odour, No Staining
BH4-B	0.00	24/07/2024	2.1	No odour, No Staining
BH4-C	0.00	24/07/2024	4.1	No odour, No Staining
BH4-D	0.00	24/07/2024	3.6	No odour, No Staining
BH4-E	0.00	24/07/2024	2.4	No odour, No Staining
BH4-F	0.00	24/07/2024	10.1	No odour, No Staining
BH4-G	0.00	24/07/2024	5.9	No odour, No Staining
BH4-H	0.00	24/07/2024	6.1	No odour, No Staining
T-A	0.00	24/07/2024	9.2	No odour, No Staining
T-B	0.00	24/07/2024	10.2	No odour, No Staining
T-C	0.00	24/07/2024	12.5	No odour, No Staining
HA-A/0.1	0.10	24/07/2024	2.1	No odour, No Staining
HA-A/0.3	0.30	24/07/2024	2.1	No odour, No Staining
HA-A/0.5	0.50	24/07/2024	3.0	No odour, No Staining
HA-B/0.1	0.10	24/07/2024	2.5	No odour, No Staining
HA-B/0.5	0.50	24/07/2024	2.8	No odour, No Staining
SP1-A	-	24/07/2024	21.0	No odour, No Staining
SP1-B	-	24/07/2024	21.1	No odour, No Staining
SP1-C	-	24/07/2024	19.3	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
STP50-0.3	0.30	24/07/2024	3.0	No odour, No Staining
STP50-0.5	0.50	24/07/2024	2.9	No odour, No Staining
SS-01	0.00	24/07/2024	15.1	No odour, No Staining
STP39-0.3	0.30	25/07/2024	10.2	No odour, No Staining
STP39-A	0.00	25/07/2024	12.5	No odour, No Staining
STP39-B	0.00	25/07/2024	10.0	No odour, No Staining
STP39-C	0.00	25/07/2024	9.7	No odour, No Staining
STP39-D	0.00	25/07/2024	9.6	No odour, No Staining
STP39-E	0.00	25/07/2024	14.1	No odour, No Staining
STP39-F	0.00	25/07/2024	11.6	No odour, No Staining
STP39-G	0.00	25/07/2024	12.6	No odour, No Staining
STP39-H	0.00	25/07/2024	11.7	No odour, No Staining
BH6-0.3	0.30	25/07/2024	13.1	No odour, No Staining
BH6-A	0.00	25/07/2024	7.8	No odour, No Staining
BH6-B	0.00	25/07/2024	12.8	No odour, No Staining
BH6-C	0.00	25/07/2024	16.5	No odour, No Staining
BH6-D	0.00	25/07/2024	15.7	No odour, No Staining
BH6-E	0.00	25/07/2024	14.9	No odour, No Staining
BH6-F	0.00	25/07/2024	9.6	No odour, No Staining
BH6-G	0.00	25/07/2024	20.0	No odour, No Staining
BH6-H	0.00	25/07/2024	11.5	No odour, No Staining
SHA16-0.2	0.20	25/07/2024	16.2	No odour, No Staining
SHA16-A	0.00	25/07/2024	17.5	No odour, No Staining
SHA16-B	0.00	25/07/2024	28.5	No odour, No Staining
SHA16-C	0.00	25/07/2024	23.7	No odour, No Staining
SHA16-D	0.00	25/07/2024	25.3	No odour, No Staining
SHA16-E	0.00	25/07/2024	25.1	No odour, No Staining
SHA16-F	0.00	25/07/2024	23.2	No odour, No Staining
SHA16-G	0.00	25/07/2024	23.1	No odour, No Staining
SHA16-H	0.00	25/07/2024	24.0	No odour, No Staining
BH9-0.5	0.50	25/07/2024	4.5	No odour, No Staining
BH9-A	0.00	25/07/2024	2.4	No odour, No Staining
BH9-B	0.00	25/07/2024	2.5	No odour, No Staining
BH9-C	0.00	25/07/2024	2.1	No odour, No Staining
BH9-D	0.00	25/07/2024	4.1	No odour, No Staining
BH9-E	0.00	25/07/2024	3.6	No odour, No Staining
BH9-F	0.00	25/07/2024	2.4	No odour, No Staining
BH9-G	0.00	25/07/2024	10.1	No odour, No Staining
BH9-H	0.00	25/07/2024	5.9	No odour, No Staining
SS-02	0.00	25/07/2024	20.1	No odour, No Staining
STP21-0.4	0.40	25/07/2024	21.7	No odour, No Staining
STP21-A	0.00	25/07/2024	14.3	No odour, No Staining
STP21-B	0.00	25/07/2024	27.8	No odour, No Staining
STP21-C	0.00	25/07/2024	22.1	No odour, No Staining
STP21-D	0.00	25/07/2024	18.6	No odour, No Staining
STP21-E	0.00	25/07/2024	17.0	No odour, No Staining
STP21-F	0.00	25/07/2024	18.1	No odour, No Staining
STP21-G	0.00	25/07/2024	22.5	No odour, No Staining
ACM02-0.3	0.30	25/07/2024	15.4	No odour, No Staining
ACM02-A	0.00	25/07/2024	27.1	No odour, No Staining
ACM02-B	0.00	25/07/2024	20.0	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
ACM02-C	0.00	25/07/2024	19.9	No odour, No Staining
ACM02-D	0.00	25/07/2024	12.3	No odour, No Staining
ACM02-E	0.00	25/07/2024	29.7	No odour, No Staining
ACM02-F	0.00	25/07/2024	8.1	No odour, No Staining
STP07-0.3	0.30	25/07/2024	17.4	No odour, No Staining
STP07-A	0.00	25/07/2024	25.2	No odour, No Staining
STP07-B	0.00	25/07/2024	5.8	No odour, No Staining
STP07-C	0.00	25/07/2024	13.7	No odour, No Staining
STP07-D	0.00	25/07/2024	23.6	No odour, No Staining
STP07-E	0.00	25/07/2024	10.9	No odour, No Staining
STP07-F	0.00	25/07/2024	28.3	No odour, No Staining
STP07-G	0.00	25/07/2024	1.4	No odour, No Staining
STP07-H	0.00	25/07/2024	20.2	No odour, No Staining
BH30-0.3	0.30	26/07/2024	7.6	No odour, No Staining
BH30-A	0.00	26/07/2024	16.8	No odour, No Staining
BH30-B	0.00	26/07/2024	15.1	No odour, No Staining
BH30-C	0.00	26/07/2024	11.5	No odour, No Staining
BH30-D	0.00	26/07/2024	15.0	No odour, No Staining
BH30-E	0.00	26/07/2024	22.0	No odour, No Staining
BH30-F	0.00	26/07/2024	20.0	No odour, No Staining
BH30-G	0.00	26/07/2024	19.1	No odour, No Staining
BH30-H	0.00	26/07/2024	12.8	No odour, No Staining
STP08-0.3	0.00	26/07/2024	29.3	No odour, No Staining
STP08-A	0.00	26/07/2024	4.1	No odour, No Staining
STP08-B	0.00	26/07/2024	22.8	No odour, No Staining
STP08-C	0.00	26/07/2024	6.4	No odour, No Staining
STP08-D	0.00	26/07/2024	6.3	No odour, No Staining
STP08-E	0.00	26/07/2024	8.0	No odour, No Staining
STP08-F	0.00	26/07/2024	3.9	No odour, No Staining
STP08-G	0.00	26/07/2024	7.0	No odour, No Staining
STP08-H	0.00	26/07/2024	8.0	No odour, No Staining
SHA01-0.3	0.30	26/07/2024	6.0	No odour, No Staining
SHA01-A	0.00	26/07/2024	7.3	No odour, No Staining
SHA01-B	0.00	26/07/2024	9.2	No odour, No Staining
SHA01-C	0.00	26/07/2024	10.2	No odour, No Staining
SHA01-D	0.00	26/07/2024	12.5	No odour, No Staining
SHA01-E	0.00	26/07/2024	10.0	No odour, No Staining
SHA01-F	0.00	26/07/2024	9.7	No odour, No Staining
SHA01-G	0.00	26/07/2024	9.6	No odour, No Staining
SHA01-H	0.00	26/07/2024	11.6	No odour, No Staining
STP10-0.3	0.30	26/07/2024	6.0	No odour, No Staining
STP10-A	0.00	26/07/2024	5.3	No odour, No Staining
STP10-B	0.00	26/07/2024	6.0	No odour, No Staining
STP10-C	0.00	26/07/2024	6.4	No odour, No Staining
STP10-D	0.00	26/07/2024	8.1	No odour, No Staining
STP10-E	0.00	26/07/2024	6.7	No odour, No Staining
STP10-F	0.00	26/07/2024	8.4	No odour, No Staining
STP10-G	0.00	26/07/2024	9.7	No odour, No Staining
STP10-H	0.00	26/07/2024	3.2	No odour, No Staining
STP10-I	0.00	26/07/2024	4.9	No odour, No Staining
STP10-O	0.00	26/07/2024	3.2	No odour, No Staining

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PHOTOIONISATION DETECTOR

Project:	Leppington Adjacent Lots	**Project No:**	30018043
Location:	Leppington	**Date:**	8/02/2024, 24-26/07/2024, 29/07/2024
Feature:	-	**Tested By:**	JP, PV, AH, HW

Equipment: Photoionisation Detector
Equip. ID: S/N 590-000685 **Calibrated on:** *Refer to Appendix E*

Is calibration certificate attached?: *Yes - refer to Appendix E*
Calibration reading following field calibration: *Refer to Appendix E*

Method: Place portion of sample in separate ziplock bag and allowing to sit for 15 minutes. Pierce and record maximum PID result (ppmv) on fieldnotes. Discard sample onsite.

Location ID	Depth (m)	PID Screen Date	PID result (ppmv)	Comments (i.e. Odours, staining, fill)
STP10-P	0.00	26/07/2024	2.1	No odour, No Staining
HA-D/0.1-0.2	0.10	26/07/2024	7.9	No odour, No Staining
HA-D/0.3-0.4	0.30	26/07/2024	8.3	No odour, No Staining
HA-E/0.2-0.3	0.20	26/07/2024	9.5	No odour, No Staining
HA-E/0.3-0.4	0.30	26/07/2024	9.3	No odour, No Staining
HA-F/0.1-0.2	0.10	26/07/2024	8.2	No odour, No Staining
HA-F/0.5-0.6	0.50	26/07/2024	6.1	No odour, No Staining
HA-G/0.1-0.2	0.10	26/07/2024	10.1	No odour, No Staining
HA-G/0.4-0.5	0.40	26/07/2024	6.2	No odour, No Staining
SS-03	0.00	26/07/2024	11.2	No odour, No Staining
HA-H/0.0	0.00	29/07/2024	23.8	No odour, No Staining
HA-H/0.3	0.30	29/07/2024	17.5	No odour, No Staining
HA-I/0.1	0.10	29/07/2024	8.5	No odour, No Staining
HA-I/0.3	0.30	29/07/2024	4.8	No odour, No Staining
HA-J/0.1	0.10	29/07/2024	9.3	No odour, No Staining
HA-J/0.3	0.30	29/07/2024	5.2	No odour, No Staining
HA-K/0.0	0.00	29/07/2024	5.8	No odour, No Staining
HA-K/0.2	0.20	29/07/2024	6.1	No odour, No Staining
HA-L/0.2	0.20	29/07/2024	5.2	No odour, No Staining
HA-L/0.3	0.30	29/07/2024	3.0	No odour, No Staining
HA-M/0.0	0.00	29/07/2024	2.2	No odour, No Staining
HA-M/0.3	0.30	29/07/2024	3.7	No odour, No Staining
HA-N/0.0	0.00	29/07/2024	2.9	No odour, No Staining
HA-N/0.2	0.20	29/07/2024	5.7	No odour, No Staining
HA-O/0.1	0.10	29/07/2024	8.9	No odour, No Staining
HA-O/0.2	0.20	29/07/2024	4.5	No odour, No Staining
HA-P/0.1	0.10	29/07/2024	6.1	No odour, No Staining
HA-P/0.4	0.40	29/07/2024	2.9	No odour, No Staining
HA-Q/0.1	0.10	29/07/2024	5.9	No odour, No Staining
HA-Q/0.3	0.30	29/07/2024	2.4	No odour, No Staining
HA-R/0.0	0.00	29/07/2024	10.1	No odour, No Staining
HA-R/0.2	0.20	29/07/2024	8.1	No odour, No Staining
HA-S/0.1	0.10	29/07/2024	4.5	No odour, No Staining
HA-S/0.3	0.30	29/07/2024	2.4	No odour, No Staining
HA-T/0.0	0.00	29/07/2024	2.5	No odour, No Staining
HA-T/0.3	0.30	29/07/2024	2.1	No odour, No Staining
HA-U/0.0	0.00	29/07/2024	4.2	No odour, No Staining
HA-U/0.3	0.30	29/07/2024	3.6	No odour, No Staining
HA-V/0.1	0.10	29/07/2024	9.1	No odour, No Staining
HA-V/0.3	0.30	29/07/2024	6.2	No odour, No Staining
HA-W/0.0	0.00	29/07/2024	6.9	No odour, No Staining
HA-W/0.3	0.30	29/07/2024	9.9	No odour, No Staining
HA-C/0.2	0.20	29/07/2024	10.1	No odour, No Staining
HA-C/0.5	0.50	29/07/2024	5.9	No odour, No Staining

Abbreviations:

ppmv	parts per million (volume)
PID	Photoionisation detector

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Wells casing to ground 0.835m.

FIELD RECORD - GROUNDWATER SAMPLING

PROJECT NAME: SINSW · Leppington Adjacent Lots		BORE ID: SMW01	
SITE LOCATION: Leppington		DATE: 24/2/24	
PROJECT No: 30018043		DEPTH OF WELL (mBTOC): 10.405	
CLIENT: SINSW		DEPTH TO NAPL (mBTOC):	
WELL CASING DIAMETER (mm): 150mm	CASING STICKUP/DOWN* (m): 0.835mbtg	DEPTH TO WATER (mBTOC): 6.547	
SURFACE TYPE: ☑ Monument ☐ Gatic covered ☐ Stand pipe ☐ Other:		SAMPLED BY: JP	
BORE CONDITION: Good.			

GROUNDWATER PURGING INFORMATION

METHOD: ☑ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other: | Flow Cell Used: Yes ☐ No ☐

LOW FLOW METHODS		NON LOW FLOW METHODS
1 x Equipment Purge Volume:	Drive setting (sec):	1 x Bore Volume (L):
Depth of sampling inlet (mbTOC): 8.375	Vent setting (sec):	3 x Bore Volumes (L):

Time (24 hr)	Flow Rate (L/min)	Cumulative Purged Volume (L)	SWL (mbTOC)	pH	EC (µS/cm)	Redox (mV)	DO (%)	Temp (°C)	Notes (colour, odour, sheen, clarity etc)	ATO
11:04	0.15	0	6.575	6.69	15839	462	20.2	20.5	pale grey, moderate odour, NO	NS 241
11:11	0.15	1	6.985	6.85	15700	479	13.8	20.8	"	208
11:14	0.15	1.5	7.104	6.84	15757	472	15.1	20.6	"	152
11:17	0.15	2	7.193	6.83	15767	467	14.8	20.4	"	152
Acceptable Variation:				(+/-) 0.5	(+/-) 3%	(+/-) 10mV	(+/-) 10%	(+/-) 3%		

Did well purge dry? No ☑ Yes ☐ if yes, when? | Are field results acceptable to allow sampling? Yes ☑ No ☐ If no, why?

SAMPLING DETAILS

Method: ☑ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other:	Tubing type used: ☐ HDPE ☐ LDPE ☐ Teflon (use HDPE unless otherwise approved)
Equipment: ☐ Dedicated ☑ Disposable Decontaminated: ☐	Flow rate (if using low flow methods) (L/min):
Duplicate ID: QA11	Triplicate ID: QA11a

GENERAL ENVIRONMENTAL CONDITIONS

Temp: Cold (<5°C) ☐ Cool (<15°C) ☐ Mild (<25°C) ☐ Warm (<30°C) ☑ Hot (<45°C) ☐	Wind: Still ☐ Slight Breeze ☑ Windy ☐ Strong Wind ☐
Sky: Clear ☐ Scattered ☑ Cloudy ☐	Air: Dry ☐ Medium ☑ Humid ☐ Rain ☐
Barometric Pressure:	
Other comments:	

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casing to ground 1.125m

FIELD RECORD - GROUNDWATER SAMPLING

PROJECT NAME: Leppington Adjunct Lots	BORE ID: SMW02
SITE LOCATION: Leppington	DATE: 24/2/24
PROJECT No: 30018043	DEPTH OF WELL (mBTOC): 11.228
CLIENT: SINSW	DEPTH TO NAPL (mBTOC):
WELL CASING DIAMETER (mm): 150mm / CASING STICKUP/DOWN* (m): 1.125	DEPTH TO WATER (mBTOC): –
SURFACE TYPE: ☒ Monument ☐ Gatic covered ☐ Stand pipe ☐ Other:	SAMPLED BY:
BORE CONDITION: Good	

GROUNDWATER PURGING INFORMATION

METHOD: ☐ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other:	Flow Cell Used: Yes ☐ No ☐

LOW FLOW METHODS		NON LOW FLOW METHODS
1 x Equipment Purge Volume:	Drive setting (sec):	1 x Bore Volume (L):
Depth of sampling inlet (mbTOC):	Vent setting (sec):	3 x Bore Volumes (L):

Time (24 hr)	Flow Rate (L/min)	Cumulative Purged Volume (L)	SWL (mbTOC)	pH	EC (_____S/cm)	Redox (mV)	DO (_____)	Temp (°C)	Notes (colour, odour, sheen, clarity etc)
Acceptable Variation:				(+/-) 0.5	(+/-) 3%	(+/-) 10mV	(+/-) 10%	(+/-) 3%	

Did well purge dry? No ☐ Yes ☐ If yes, when?

Are field results acceptable to allow sampling? Yes ☐ No ☐ If no, why?

SAMPLING DETAILS

Method: ☐ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other:	Tubing type used: ☐ HDPE ☐ LDPE ☐ Teflon (use HDPE unless otherwise approved)
Equipment: ☐ Dedicated ☐ Disposable Decontaminated: ☐	Flow rate (if using low flow methods) (L/min):
Duplicate ID:	Triplicate ID:

GENERAL ENVIRONMENTAL CONDITIONS

Temp: Cold (<5°C) ☐ Cool (<15°C) ☐ Mild (<25°C) ☐ Warm (<30°C) ☐ Hot (<45°C) ☐		Wind: Still ☐ Slight Breeze ☐ Windy ☐ Strong Wind ☐
Sky: Clear ☐ Scattered ☐ Cloudy ☐	Air: Dry ☐ Medium ☐ Humid ☐ Rain ☐	Barometric Pressure:

Other comments:

well Dry

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FIELD RECORD - GROUNDWATER SAMPLING

Casing above ground 0.847m

PROJECT NAME: SIPSW Leppington Adjacent Cots	BORE ID: SMW03
SITE LOCATION: Leppington	DATE: 24/2/24
PROJECT No: 300180473	DEPTH OF WELL (mBTOC): 9.073
CLIENT: SINSW	DEPTH TO NAPL (mBTOC):
WELL CASING DIAMETER (mm): 52mm	DEPTH TO WATER (mBTOC): 1.176
CASING STICKUP/DOWN* (m): 0.847	SAMPLED BY: SP
SURFACE TYPE: ☑ Monument ☐ Gatic covered ☐ Stand pipe ☐ Other:	
BORE CONDITION: Good	

GROUNDWATER PURGING INFORMATION

METHOD: ☑ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other:

Flow Cell Used: Yes ☐ No ☐

LOW FLOW METHODS

1 x Equipment Purge Volume:

Drive setting (sec):

Depth of sampling inlet (mbTOC): 7.958

Vent setting (sec):

NON LOW FLOW METHODS

1 x Bore Volume (L):

3 x Bore Volumes (L):

Time (24 hr)	Flow Rate (L/min)	Cumulative Purged Volume (L)	SWL (mbTOC)	pH	EC (µS/cm)	Redox (mV)	DO (%)	Temp (°C)	Notes (colour, odour, sheen, clarity etc)	NTU
12:56	0.15	0	1.225	6.89	6835	-88.2	7.1	21.3	Brown/ Grey, high sediment, Septic odour, N/S	4531
~~13:07~~	0.15	1	1.685	6.69	6538	-141	0.2	20.2	~~Brown/grey~~ Yellow pale, moderate sediment, N/S	231
13:10	0.15	1.5	1.752	6.68	6652	-149	0.1	20.1	"	119
13:13	0.15	2	1.783	6.67	6670	-151	0.1	20.1	"	106
Acceptable Variation:				(+/-) 0.5	(+/-) 3%	(+/-) 10mV	(+/-) 10%	(+/-) 3%		

Did well purge dry? No ☑ Yes ☐ if yes, when?

Are field results acceptable to allow sampling? Yes ☑ No ☐ If no, why?

SAMPLING DETAILS

Method: ☑ Bladder pump ☐ Peristaltic pump ☐ Bailer ☐ Other:

Tubing type used: ☐ HDPE ☐ LDPE ☐ Teflon (use HDPE unless otherwise approved)

Equipment: ☐ Dedicated ☑ Disposable Decontaminated: ☐

Flow rate (if using low flow methods) (L/min):

Duplicate ID:

Triplicate ID:

GENERAL ENVIRONMENTAL CONDITIONS

Temp: Cold (<5°C) ☐ Cool (<15°C) ☐ Mild (<25°C) ☑ Warm (<30°C) ☐ Hot (<45°C) ☐

Wind: Still ☐ Slight Breeze ☑ Windy ☐ Strong Wind ☐

Sky: Clear ☐ Scattered ☑ Cloudy ☐

Air: Dry ☐ Medium ☐ Humid ☑ Rain ☐

Barometric Pressure:

Other comments:

Appendix H

Analytical Summary Tables

			Physical				Asbestos					Metals											Inorganics									TRH							TRH - (Silica Gel Cleanup)							
			Total Organic Carbon	Moisture Content (dried @ 103°C)	Carbon Exchange Capacity	% Clay*	Asbestos (D = Detect / ND = Non-Detect)	Asbestos (WA Guidelines)		Fibrous asbestos (AF/FA) (D = Detect / ND = Non-Detect)	Friable Asbestos (FA & AF)		Iron (%)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Nickel TCLP	Zinc	Conductivity (1:5 aqueous extract)	Nitrite + Nitrate as N	Electrical Conductivity (Lab)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	pH (Lab)	Total Phosphorous	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	>C10-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)
			%	%	meq/100g	%	Comment	%w/w	% w/w	Comment	%w/w	% w/w	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	µS/cm	mg/kg	µS/cm	mg/kg	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	LOR		0.1	1	0.5	2.5	D/ND			D/ND			0.01	2	0.4	2	5	20	5	0.1	2	0.01	5	10	5	1	10	5	5	10	0.1	5	10	1	10	50	50	100	100	50	50	100	100	100	50	100	100
CRC Care HSL-C Recreational / Open Space																																	5,100			3,800		5,300	7,400									
NEPM 2013 Table 1A(1) HILs Rec C Soil														300	90		17,000		600	80	1,200		30,000																									
NEPM 2013 Table 1A(1) HILs Res B Soil														500	150		30,000		1,200	120	1,200		60,000																									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																		NL			NL										
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																		45			110										
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space														100																																	
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																	181				234		515																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																		180	120	120	300	2,800				300	2,800				
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil								0.02			0.001																																				
NSW 2014 General Solid Waste CT1 (No Leaching)														100	20				100	4	40																											
NSW 2014 Restricted Solid Waste CT2 (No Leaching)														400	80				400	16	160																											
NSW 2014 General Solid Waste TCLP1																						2																											
NSW 2014 General Solid Waste SCC1																					1050																											
PFAS NEMP 2020 Public open space (HIL C)																																															
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																																												
ACM-01	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	D	0	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM-02	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	D	0	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-0.3	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-0.3	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	17	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-D	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-0.5	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-H	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-0.5	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL-02	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	0.7	12	16	26	-	-	-	-	-	-	2.7	-	-	-	-	27,000	-	-	-	-	-	190	-	-	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL-04	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	0.7	12	14	24	-	-	-	-	-	-	46	-	-	-	-	46,000	-	-	-	-	-	240	-	-	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-0.2	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-D	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-A/0.1	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	6.9	-	-	-	-	-	-	-	-	-	2.4	<0.4	10	56	-	7.9	<0.1	18	-	61	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	250	300	550	-	-	-	-	-	-	-
HA-A/0.3	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	6.6	<0.4	22	24	-	21	<0.1	9.5	-	41	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-B/0.1	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	7.0	<0.4	22	31	-	24	<0.1	12	-	78	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-C/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	24	-	-	-	-	-	-	-	-	-	3.2	<0.4	8.5	51	-	17	<0.1	5.2	-	65	-	-	-	-	-	-	-	-	-	<20	-	<20	180	180	400	160	740	<50	<100	<100	<100	-	-	-
HA-D/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	-	6.7	<0.4	29	58	-	32	<0.1	17	-	130	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-D/0.3-0.4	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	7.1	<0.4	27	28	-	26	<0.1	16	-	53	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-E/0.2-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	-	6.8	<0.4	25	56	-	27	<0.1	13	-	120	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-F/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	40	-	-	-	-	-	-	-	-	-	8.0	<0.4	26	89	-	33	<0.1	17	-	250	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-F/0.5-0.6	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	-	6.4	<0.4	21	29	-	18	<0.1	14	-	99	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-G/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	16	-	-	-	-	-	-	-	-	-	18	0.9	24	110	-	46	<0.1	12	-	410	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-H/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	52	-	-	-	-	-	-	-	-	-	4.1	<0.4	16	27	-	19	<0.1	11	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-H/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	5.7	<0.4	21	31	-	18	<0.1	13	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-I/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	37	-	-	-	-	-	-	-	-	-	4.4	<0.4	14	29	-	18	<0.1	10	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-J/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	-	-	-	-	-	8.8	<0.4	22	25	-	28	<0.1	11	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-K/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	24	-	-	-	-	-	-	-	-	-	5.8	<0.4	20	30	-	20	<0.1	13	-	65	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-L/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	37	-	-	-	-	-	-	-	-	-	7.3	<0.4	22	34	-	29	<0.1	13	-	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-M/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	10	-	-	-	-	-	-	-	-	-	6.2	<0.4	16	33	-	19	<0.1	14	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-N/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	27	-	-	-	-	-	-	-	-	-	6.9	<0.4	20	35	-	20	<0.1	12	-	66	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-N/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	7.0	<0.4	18	27	-	17	<0.1	12	-	47	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-O/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	21	-	-	-	-	-	-	-	-	-	9.2	<0.4	19	170	-	29	<0.1	15	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-P/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	5.3	<0.4	19	32	-	22	<0.1	14	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-Q/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	19	-	-	-	-	-	-	-	-	-	4.8	<0.4	16	23	-	15	<0.1	7.4	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-R/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	27	-	-	-	-	-	-	-	-	-	7.0	<0.4	26	34	-	34	<0.1	16	-	120	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
HA-S/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	35	-	-	-	-	-	-	-	-	-	3.2	<0.4	12	39	-	21	<0.1	5.1	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-T/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	6.0	<0.4	21	29	-	18	<0.1	11	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-T/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	-	-	-	-	-	7.1	<0.4	19	26	-	15	<0.1	8.8	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-U/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	12	-	-	-	-	0	ND	-	0	-	2.6	<0.4	32	68	-	15	<0.1	57	0.02	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-U/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-V/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	18	-	-	-	-	-	-	-	-	-	14	<0.4	22	33	-	33	<0.1	12	-	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-W/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	17	-	-	-	-	-	-	-	-	-	5.6	<0.4	20	38	-	24	<0.1	16	-	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	23	-	-	-	-	-	-	-	-	-	4.5	-	-	-	-	26	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA02/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	24	-	-	-	-	-	-	-	-	-	4.1	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA02/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA02/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	-	4.4	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA03/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA03/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA03/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA04/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	11	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA04/0.5	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA05/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	7.9	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	23	-	-	-	-	-	540	-	420	540	<5	960	-	860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA05/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	13	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA06/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	8.9	-	-	-	-	-	-	-	-	-	5.5	<0.4	17	29	-	18	<0.1	12	-	61	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
SHA06/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	3.8	<0.4	16	26	-	13	<0.1	9.8	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
SHA07/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	6.2	<0.4	22	35	-	22	<0.1	15	-	66	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
SHA08/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	5.5	<0.

	Physical				Asbestos						Metals											Inorganics										TRH								TRH - (Silica Gel Cleanup)							
	Total Organic Carbon	Moisture Content (dried @ 103°C)	Carbon Exchange Capacity	% Clay*	Asbestos (D = Detect / ND = Non-Detect)	Asbestic (WA Guidelines)		Fibrous asbestos (AF/FA) (D = Detect / ND = Non-Detect)	Friable Asbestos (FA & AF)		Iron (%)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Nickel TCLP	Zinc	Conductivity (1:5 aqueous extract)	Nitrite + Nitrate as N	Electrical Conductivity (Lab)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	pH (Lab)	Total Phosphorous	C6-C10 Fraction (F1)		C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C16-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	>C10-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	
	%	%	meq/100g	%	Comment	%w/w	% w/w	Comment	%w/w	% w/w	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µS/cm	mg/kg	µS/cm	mg/kg	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	1	0.5	2.5	D/ND			D/ND			0.01	2	0.4	2	5	20	5	0.1	2	0.01	5	10	5	1	10	5	5	10	0.1	5	10	1	10	50	50	100	100	50	50	100	100	100	50	100	100	100	
CRC Care HSL-C Recreational / Open Space																															5,100			3,800		5,300	7,400									
NEPM 2013 Table 1A(1) HILs Rec C Soil												300	90		17,000		600	80	1,200		30,000																									
NEPM 2013 Table 1A(1) HILs Res B Soil												500	150		30,000		1,200	120	1,200		60,000																									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																NL		NL												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																45		110												
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space												100																																		
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space															181				234		515																										
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																180	120	120	300	2,800			300	2,800						
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil						0.02			0.001																																				
NSW 2014 General Solid Waste CT1 (No Leaching)												100	20				100	4	40																											
NSW 2014 Restricted Solid Waste CT2 (No Leaching)												400	80				400	16	160																											
NSW 2014 General Solid Waste TCLP1																				2																											
NSW 2014 General Solid Waste SCC1																			1050																											
PFAS NEMP 2020 Public open space (HIL C)																																														
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																																												
SHA16/0.4	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	11	-	-	-	-	-	-	-	-	-	4.6	<0.4	14	20	-	17	<0.1	9.7	-	74	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	200	200	400	-	-	-	-	-	-	-
SHA16-F	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA16-G	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA28/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA29/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	23	-	-	-	-	-	-	-	-	-	5.3	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA29/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	-	5.0	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA30/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA30/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	8.9	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA31/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	23	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA48/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	6.9	<0.4	25	21	-	47	<0.1	7.5	-	54	-	-	-	-	-	-	-	-	-	<20	-	<20	51	51	160	<100	211	-	-	-	-	-	-	-
SHA48/0.6	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	8.6	<0.4	30	31	-	30	<0.1	9.3	-	51	-	-	-	-	-	-	-	-	-	<20	-	<20	59	59	95	<100	154	-	-	-	-	-	-	-
SP1-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	-	-	-	-	-	-	-	-	-	-	-	<0.4	9.3	16	-	31	<0.1	11	-	29	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	1,400	1,000	2,400	<50	970	580	1600	-	-	-
SS-02	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	16	-	-	-	-	-	-	-	-	-	4.8	<0.4	16	33	-	21	<0.1	11	-	170	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
SSED01	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	49	-	-	-	-	-	-	-	-	-	3.4	<0.4	12	42	-	18	<0.1	9.5	-	120	62	<5	-	1,700	<5	<5	1,700	-	3,800	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
SSED01-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSED02	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	25	-	-	-	-	-	-	-	-	-	5.3	<0.4	14	25	-	14	<0.1	8.9	-	50	19	<5	-	410	<5	<5	410	-	150	<20	-	<20	74	74	<100	<100	<100	-	-	-	-	-	-	-
SSED02-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	11	-	-	-	-	37	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	11	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP02/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	-	9.0	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP02/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP03/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	35	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP04/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	10	-	-	-	-	-	-	-	-	-	9.5	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP04/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	13	-	-	-	-	-	-	-	-	-	4.8	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP05/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	7.2	-	-	-	-	24	-	-	-	-	-	<5	-	730	<5	<5	730	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	21	-	-	-	-	-	-	-	-	-	5.5	-	-	-	-	25	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	2.5	-	-	-	-	18	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-0.3	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	9.2	-	-	-	-	170	-	-	-	990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	14	-	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-H	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**08 Dec 4990**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	11	-	-	-	-	76	-	-	-	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	8.7	-	-	-	-	29	-	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP09/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP09/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	-	4.0	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	D	0.20	-	ND	0	-	-	16	3.2	32	110	-	210	2.4	23	-	1,500	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP10/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	13	-	-	-	-	-	-	-	-	-	5.8	<0.4	22	43	-	21	<0.1	17	-	80	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP10/0.9	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	8.6	-	-	-	-	-	-	-	-	-	4.5	<0.4	14	39	-	11	<0.1	19	-	96	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP10-E	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	0	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-G	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	0	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-P	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	0	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	21	-	-	-	-	-	-	-	-	-	7.0	<0.4	22	21	-	25	<0.1	13	-	42	42	-	-	-	-	-	-	-	-	-	<20	-	<20	60	60	<100	<100	<100	-	-	-	-	-	-	-
STP11/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	6.7	<0.4	19	35	-	17	<0.1	20	-	81	75	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP12/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	13	-	-	-	0	-	ND	0	-	-	5.6	<0.4	16	24	-	24	<0.1	8.6	-	43	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP12/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	9.3	<0.4	26	28	-	32	<0.1	15	-	60	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP12/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	-	5.0	<0.4	12	19	-	14	5.4	5.4	-	31	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP13/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	6.3	<0.4	27	35	-	26	<0.1	13	-	64	-	<5	-	710	<5	<5	710	-	690	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP13/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	-	6.3	<0.4	19	36	-	13	<0.1	11	-	51	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP14/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	6.5	<0.4	27	41	-	28	<0.1	14	-	65	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP14/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	20	-	-	-	-	-	-	-	-	-	4.9	<0.4	21	28	-	19	<0.1	11	-	50	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP15/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	5.4	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP16/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	3.7	<0.4	19	33	-	19	<0.1	18	-	83	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP16/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	3.8	<0.4	21	46	-	32	<0.1	18	-	71	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP17/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	6.0	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP17/0.6	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	2.5	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP18/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	5.0	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP19/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	27	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP19/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP19/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	-	4.6	-	-	-	-	16	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP20/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	6.7	<0.4	19	27	-	20	<0.1	11	-	50	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP20/0.7	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	6.9	<0.4	17	25	-	16	<0.1	8.8	-	41	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP21-0.4	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	27	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	-	19	<0.4	39	130	-	36	<0.1	19	-	210	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP21/0.7	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	-	4.6	<0.4	17	28	-	9.8	<0.1	11	-	48	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP21-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	21	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP22/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	-	6.9	<0.4	22	33	-	27	<0.1	12	-	71	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP22/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	-	5.2	<0.4	17	25	-	15	<0.1	8.7	-	38	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP23/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	21	-	-	-	-	-	-	-	-	-	7.8	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP24/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP24/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428

	Physical				Asbestos						Metals										Inorganics										TRH								TRH - (Silica Gel Cleanup)							
	Total Organic Carbon	Moisture Content (dried @ 103°C)	Carbon Exchange Capacity	% Clay*	Asbestos (D = Detect / ND = Non-Detect)	Asbestic (WA Guidelines)		Fibrous asbestos (AF/FA) (D = Detect / ND = Non-Detect)	Friable Asbestos (FA & AF)		Iron (%)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Nickel TCLP	Zinc	Conductivity (1:5 aqueous extract)	Nitrite + Nitrate as N	Electrical Conductivity (Lab)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	pH (Lab)	Total Phosphorous	C6-C10 Fraction (F1)		C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C16-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	>C10-C40 Fraction (SG)	C10-C14 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	C15-C28 Fraction (SG)	
	%	%	meq/100g	%	Comment	%w/w	% w/w	Comment	%w/w	% w/w	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µS/cm	mg/kg	µS/cm	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	1	0.5	2.5	D/ND			D/ND			0.01	2	0.4	2	5	20	5	0.1	2	0.01	5	10	5	1	10	5	5	10	0.1	5	10	1	10	50	50	100	100	50	50	100	100	100	50	100	100
CRC Care HSL-C Recreational / Open Space																															5,100			3,800		5,300	7,400									
NEPM 2013 Table 1A(1) HILs Rec C Soil												300	90		17,000		600	80	1,200		30,000																									
NEPM 2013 Table 1A(1) HILs Res B Soil												500	150		30,000		1,200	120	1,200		60,000																									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																NL			NL											
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																45			110											
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space												100																																		
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space															181				234		515																										
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																180	120	120	300	2,800			300	2,800						
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil						0.02			0.001																																				
NSW 2014 General Solid Waste CT1 (No Leaching)												100	20				100	4	40																											
NSW 2014 Restricted Solid Waste CT2 (No Leaching)												400	80				400	16	160																											
NSW 2014 General Solid Waste TCLP1																				2																											
NSW 2014 General Solid Waste SCC1																			1050																											
PFAS NEMP 2020 Public open space (HIL C)																																														
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																																											
STP34/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	6.6	<0.4	19	15	-	18	<0.1	7.8	-	31	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP34/1.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	10	-	-	-	-	-	-	-	-	3.3	<0.4	12	24	-	9.0	<0.1	8.0	-	44	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP35/0.0-0.5-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP35/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	14	-	-	-	-	-	-	-	-	4.2	<0.4	19	30	-	54	<0.1	17	-	100	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP35/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	11	-	-	-	-	-	-	-	-	5.0	<0.4	15	22	-	17	<0.1	8.5	-	36	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP36/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	8.3	<0.4	23	28	-	28	<0.1	14	-	78	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP36/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	6.0	<0.4	22	25	-	24	<0.1	13	-	52	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP37/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	26	-	-	-	-	-	-	-	-	3.8	<0.4	10	30	-	17	<0.1	7.3	-	62	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP37/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	21	-	-	-	-	-	-	-	-	5.0	<0.4	16	24	-	25	<0.1	11	-	57	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP37/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	11	-	-	-	-	-	-	-	-	5.6	<0.4	19	26	-	25	<0.1	9.9	-	40	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP38/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	43	-	-	-	-	-	-	-	-	9.6	<0.4	12	30	-	10	<0.1	9.4	-	160	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	710	150	860	<50	<100	<100	<100	<50	<100	<100	<100
STP38/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	12	<0.4	18	21	-	16	<0.1	12	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP38/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	5.4	<0.4	18	22	-	21	<0.1	9.3	-	32	-	-	-	-	-	-	-	-	-	<20	-	<20	58	58	<100	<100	<100	-	-	-	-	-	-	-
STP39/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	3.1	<0.4	13	47	-	25	<0.1	13	-	60	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	280	350	630	-	-	-	-	-	-	-
STP39/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	23	-	-	-	-	-	-	-	-	4.2	<0.4	19	23	-	26	<0.1	16	-	63	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP39-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP40/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	21	-	-	-	-	-	-	-	-	7.0	<0.4	14	23	-	29	<0.1	10	-	58	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	390	300	690	<50	<100	<100	<100	<50	<100	<100
STP40/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	20	-	-	-	-	-	-	-	-	5.8	<0.4	20	24	-	21	<0.1	11	-	41	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP40/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	7.0	<0.4	17	25	-	20	<0.1	5.2	-	30	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP41/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	6.9	2.2	25	38	-	54	<0.1	12	-	130	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	140	140	-	-	-	-	-	-	-
STP42/0.0-0.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP42/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	26	-	-	-	-	-	-	-	-	2.8	0.6	20	63	-	26	<0.1	44	-	150	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	310	340	650	<50	<100	<100	<100	<50	<100	<100
STP42/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	20	-	-	-	-	-	-	-	-	5.8	<0.4	20	24	-	20	<0.1	9.1	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP43/0.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	13	-	-	-	-	-	-	-	-	5.7	<0.4	20	19	-	21	<0.1	11	-	41	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	130	<100	130	-	-	-	-	-	-	-
STP43/0.0-0.2-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP43/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	<2	<0.4	8.6	29	-	10	<0.1	23	-	73	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	100	<100	100	-	-	-	-	-	-	-
STP43/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	17	-	-	-	-	-	-	-	-	5.3	<0.4	17	26	-	18	<0.1	8.5	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP44/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	6.2	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP44/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	5.6	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.0-1.1-ACM	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	ND	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.0-1.1-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	5.2	<0.4	18	36	-	16	<0.1	18	-	81	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	220	230	450	-	-	-	-	-	-	-
STP45/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	25	-	-	-	0	-	ND	0	-	4.9	<0.4	12	33	-	20	<0.1	9.3	-	67	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	150	<100	150	-	-	-	-	-	-	-
STP45/1.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	5.9	<0.4	16	37	-	17	<0.1	13	-	75	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP45-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45-E	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	0	ND	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.0-0.7-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	39	-	-	-	-	-	-	-	-	3.4	<0.4	9.6	26	-	16	<0.1	6.5	-	110	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP46/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	7.3	-	-	-	-	-	-	-	-	7.3	<0.4	10	31	-	20	<0.1	7.5	-	49	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP47/0.0-1.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	0	-	ND	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP47/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	20	-	-	-	0	-	ND	0	-	4.2	<0.4	15	26	-	15	<0.1	13	-	61	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP47/1.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	55	-	-	-	-	-	-	-	-	11	<0.4	40	36	-	34	<0.1	21	-	64	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP47/1.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	6.0	<0.4	22	27	-	19	<0.1	10	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
STP49/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	29	-	-	-	-	-	-	-	-	5.8	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP49/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	16	-	-	-	-	-	-	-	-	4.5	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	15	-	-	-	-	-	-	-	-	3.3	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02a	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA03	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	19	-	-	-	-	-	-	-	-	4.8	<0.4	13	21	-	18	<0.1	5.8	-	45	-	-	-	-	-	-	-	-	-	<20	-	<20	50	50	290	<100	340	-	-	-	-	-	-	-
QA03a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	6	<1	23	31	-	26	<0.1	12	-	64	-	-	-	-	-	-	-	-	-	<10	-	<10	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA04	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	7.5	<0.4	32	21	-	34	<0.1	17	-	61	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA04a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	<5	<1	23	23	-	26	<0.1	21	-	60	-	-	-	-	-	-	-	-	-	<10	-	<10	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA05	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	11	-	-	-	-	-	-	-	-	5.9	<0.4	20	24	-	17	<0.1	19	-	66	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	420	660	1,080	-	-	-	-	-	-	-
QA05a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	<5	<1	11	9	-	12	<0.1	4	-	44	-	-	-	-	-	-	-	-	-	<10	-	<10	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA06	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	22	-	-	-	-	-	-	-	-	5.9	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA06a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA08	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
QA08a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09a	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA12	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA12A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA14	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	15	-	-	-	-	-	-	-	-	7.1	<0.4	26	58	-	37	<0.1	14	-	160	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA14A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	6	<1	22	50	-	30	<0.1	13	-	127	-	-	-	-	-	-	-	-	-	<10	-	<10	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA15	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	49	-	-	-	-	-	-	-	-	11	<0.4	27	51	-	35	<0.1	18	-	110	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA15A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	8	<1	20	31	-	25	<0.1	11	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA16	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	23	-	-	-	-	-	-	-	-	6.4	<0.4	19	31	-	20	<0.1	12	-	67	-	-	-	-	-	-	-	-	-	<20	-	<20	<50	<50	<100	<100	<100	-	-	-	-	-	-	-
QA16A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	6	<1	18	32	-	19	<0.1	12	-	64	-	-	-	-	-	-	-	-	-	<10	-	<10	<50	<50	<100	<100	<50	-	-	-	-	-	-	-
SOIL TRIP BLANK 1	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 2	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 3	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 4	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 5	**23 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-

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	TPH							BTEXN																		MAH										Fungicides							Acid Sulphate Soils - Field		Biological	Carbamates
	C29-C36 Fraction (SG)	C6-C9 Fraction		C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Naphthalene (VOC)		Naphthalene		Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		Total BTEX		Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Benomyl	Fenarimol	Flusilazole (NuStar)	Propiconazole	Actril (Ioxynil)	Tebuconazole	Triazophos	pHF	pHFox	E. Coli	Methiocarb
	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			orgs/g	mg/kg
LOR	100	10	1	20	50	50	50	0.5	1	0.5	0.1	1	0.1	1	0.1	1	0.2	1	0.1	1	0.3	1	0.2		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.004	0.01	0.5	0.002	0.001	0.1	0.1	1	0.002
CRC Care HSL-C Recreational / Open Space								1,900		1,900		120		18,000		5,300						15,000																							
NEPM 2013 Table 1A(1) HILs Rec C Soil																																													
NEPM 2013 Table 1A(1) HILs Res B Soil																																													
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand								NL		NL		NL		NL		NL						NL																							
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand								3				0.5		160		55						40																							
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space								170		170																																			
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																																												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil												50		85		70						105																							
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																												
NSW 2014 General Solid Waste CT1 (No Leaching)		650					10,000					10		288		600						1,000										60							128						
NSW 2014 Restricted Solid Waste CT2 (No Leaching)		2,600					40,000					40		1,152		2,400						4,000										240							512						
NSW 2014 General Solid Waste TCLP1																																												
NSW 2014 General Solid Waste SCC1																																												
PFAS NEMP 2020 Public open space (HIL C)																																												

| Sample ID | Sample Date | Field Mobilisation | Lab Report Number | | | | | | | | | | | | | | | | | | |

	TPH							BTEXN																		MAH										Fungicides							Acid Sulphate Soils - Field		Biological	Carbamates
	C29-C36 Fraction (SG)	C6-C9 Fraction		C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Naphthalene (VOC)		Naphthalene		Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		Total BTEX	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Benomyl	Fenarimol	Flutriazole (NuStar)	Propiconazole	Actril (Ioxynil)	Tebuconazole	Triazophos	pHF	pHFox	E. Coli	Methiocarb
	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	-	orgs/g	mg/kg
LOR	100	10	1	20	50	50	50	0.5	1	0.5	0.1	1	0.1	1	0.1	1	0.1	1	0.2	1	0.1	1	0.3	1	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.004	0.01	0.5	0.002	0.001	0.1	0.1	1	0.002
CRC Care HSL-C Recreational / Open Space								1,900		1,900	120		18,000		5,300							15,000																						
NEPM 2013 Table 1A(1) HILs Rec C Soil																																													
NEPM 2013 Table 1A(1) HILs Res B Soil																																													
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand								NL		NL	NL		NL		NL							NL																						
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand								3		-	0.5		160		55							40																						
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space								170		170																																		
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																																												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil											50		85		70							105																						
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																													
NSW 2014 General Solid Waste CT1 (No Leaching)		650					10,000				10		288		600							1,000									60							128						
NSW 2014 Restricted Solid Waste CT2 (No Leaching)		2,600					40,000				40		1,152		2,400							4,000									240							512						
NSW 2014 General Solid Waste TCLP1																																													
NSW 2014 General Solid Waste SCC1																																													
PFAS NEMP 2020 Public open space (HIL C)																																													
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																																										
STP34/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP34/1.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP35/0.0-0.5-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP35/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP35/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP36/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP36/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP37/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	57	57	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP37/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP37/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP38/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	570	230	800	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP38/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP38/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	54	<50	54	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP39/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	22	130	240	392	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP39/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP39-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP40/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	140	350	490	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP40/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP40/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP41/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	88	88	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP42/0.0-0.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP42/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	31	170	250	451	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP42/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP43/0.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	73	85	158	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP43/0.0-0.2-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP43/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	59	68	127	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP43/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP44/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP44/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.0-1.1-ACM	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.0-1.1-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	120	170	290	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP45/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	31	120	74	225	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP45/1.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP45-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45-E	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.0-0.7-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP46/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP47/0.0-1.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP47/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP47/1.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP47/1.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
STP49/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP49/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA02a	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA03	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	38	250	97	385	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA03a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	<10	-	<50	<100	<100	<50	<1	-	<0.5	<0.2	-	<0.5	-	<0.5	-	<0.2	-	<0.5	-	<0.2	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA04	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA04a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	<10	-	<50	<100	<100	<50	<1	-	<0.5	<0.2	-	<0.5	-	<0.5	-	<0.2	-	<0.5	-	<0.2	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA05	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	<20	-	<20	130	460	590	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA05a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	<10	-	<50	<100	<100	<50	<1	-	<0.5	<0.2	-	<0.9	-	<0.5	-	<0.5	-	<0.9	-	<0.2	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA06	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA06a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	3.8	-	-
QA07a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	4.9	-	-
QA08	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	4.3	-	-
QA08a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	4.4	-	<0.002
QA09	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA09a	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA12	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA12A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA14	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA14A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	<10	-	<50	<100	<100	<50	<1	-	<0.5	<0.2	-	<0.9	-	<0.5	-	<0.5	-	<0.9	-	<0.2	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA15	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA15A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA16	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	<20	-	<20	<50	<50	<50	<0.5	-	<0.5	<0.1	-	<0.1	-	<0.1	-	<0.2	-	<0.1	-	<0.3	-	-	<0.5	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-
QA16A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	<10	-	<50	<100	<100	<50	<1	-	<0.5	<0.2	-	<0.5	-	<0.5	-	<0.5

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				Chlorinated Hydrocarbons																																Halogenated Benzenes									Halogenated Hydrocarbons			
				Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane
	LOR			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care HSL-C Recreational / Open Space																																																	
NEPM 2013 Table 1A(1) HILs Rec C Soil																																																	
NEPM 2013 Table 1A(1) HILs Res B Soil																																																	
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																																	
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																																	
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																																																	
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																																	
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																																	
NSW 2014 General Solid Waste CT1 (No Leaching)						200	600	26	24		14				10							10			120					172		10	14			4				86		150					2,000				
NSW 2014 Restricted Solid Waste CT2 (No Leaching)						800	2,400	104	96		56				40							40			480					688		40	56			16				344		600					8,000				
NSW 2014 General Solid Waste TCLP1																																																	
NSW 2014 General Solid Waste SCC1																																																	
PFAS NEMP 2020 Public open space (HIL C)																																																	
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																																														
SHA16/0.4	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SHA16-F	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA16-G	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA28/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA29/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA29/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA30/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA30/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA31/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA48/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SHA48/0.6	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP1-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SS-02	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSED01	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SSED01-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSED02	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SSED02-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP01/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP02/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP02/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP03/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP04/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP04/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP05/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP06/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-0.3	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-H	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**08 Dec 4990**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP09/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP09/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP10/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP10/0.9	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP10-E	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-G	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-P	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP11/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP12/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP12/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP12/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP13/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP13/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP14/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP14/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP15/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP16/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP16/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
STP17/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP17/0.6	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP18/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP19/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	Perfluoroalkane Carboxylic Acids								PFAS								Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							Solvents							VOCs								
	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Methyl Ethyl Ketone	2-Hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Vinyl acetate	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002	5	0.0002	0.0002	0.0002	0.005	0.005	0.0005	0.0005	0.0005	0.0005	0.005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005	0.5	5	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care HSL-C Recreational / Open Space																																														
NEPM 2013 Table 1A(1) HILs Rec C Soil																																														
NEPM 2013 Table 1A(1) HILs Res B Soil																																														
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																														
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																														
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																														
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																																														
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																														
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																														
NSW 2014 General Solid Waste CT1 (No Leaching)																																		4,000												
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																		16,000												
NSW 2014 General Solid Waste TCLP1																																														
NSW 2014 General Solid Waste SCC1																																														
PFAS NEMP 2020 Public open space (HIL C)		10								1																																				

| Sample ID | Sample Date | Field Mobilisation | Lab Report Number | | | | | | | | | | | | | | | | | | |

	Perfluoroalkane Carboxylic Acids								PFAS								Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							Solvents							VOCs							
	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of emkeith PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Vinyl acetate	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002	5	0.0002	0.0002	0.0002	0.005	0.005	0.0005	0.0005	0.0005	0.0005	0.005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005	0.5	5	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CRC Care HSL-C Recreational / Open Space																																													
NEPM 2013 Table 1A(1) HILs Rec C Soil																																													
NEPM 2013 Table 1A(1) HILs Res B Soil																																													
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																																													
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																													
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																													
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																																													
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																													
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																													
NSW 2014 General Solid Waste CT1 (No Leaching)																																		4,000											
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																		16,000											
NSW 2014 General Solid Waste TCLP1																																													
NSW 2014 General Solid Waste SCC1																																													
PFAS NEMP 2020 Public open space (HIL C)		10								1																																			

| Sample ID | Sample Date | Field Mobilisation | Lab Report Number | | | | | | | | | | | | | | | | | | |

		Perfluoroalkane Carboxylic Acids								PFAS							Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							Solvents							VOCs							
		Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTrDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Vinyl acetate	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	LOR	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002	5	0.0002	0.0002	0.0002	0.005	0.005	0.0005	0.0005	0.0005	0.0005	0.005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005	0.5	5	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5				
CRC Care HSL-C Recreational / Open Space																																													
NEPM 2013 Table 1A(1) HILs Rec C Soil																																													
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NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																																													
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NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																																													
NSW 2014 General Solid Waste CT1 (No Leaching)																																		4,000											
NSW 2014 Restricted Solid Waste CT2 (No Leaching)																																		16,000											
NSW 2014 General Solid Waste TCLP1																																													
NSW 2014 General Solid Waste SCC1																																													
PFAS NEMP 2020 Public open space (HIL C)			10								1																																		

| Sample ID | Sample Date | Field Mobilisation | Lab Report Number | | | | | | | | | | | | | | | | | | |

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| | PAH | | | | | | | | | | | | | | | | Organochlorine Pesticides | | | | | | | | | | | | | | | |

| | | PAH | | | | | | | | | | | | | | | Organochlorine Pesticides | | | | | | | | | | | | | | |

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									PCBs								Phenols	
	Methomyl	Oxamyl	Permethrin	Pirimphos-ethyl	Resmethrin	Sulfotepp	Thiodicarb	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Sum of total)	4,6-Dinitro-2-methylphenol	Picloram
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.002	0.002	2	0.05	2	0.001	0.002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.02
CRC Care HSL-C Recreational / Open Space																	
NEPM 2013 Table 1A(1) HILs Rec C Soil															1		5,700
NEPM 2013 Table 1A(1) HILs Res B Soil															1		6,600
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																	
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																	
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																	
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																	
NSW 2014 General Solid Waste CT1 (No Leaching)															< 50		60
NSW 2014 Restricted Solid Waste CT2 (No Leaching)															< 50		240
NSW 2014 General Solid Waste TCLP1																	
NSW 2014 General Solid Waste SCC1																	
PFAS NEMP 2020 Public open space (HIL C)																	
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**															
ACM-01	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM-02	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-0.3	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACM02-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-0.3	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2-D	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-0.5	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4-H	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-0.5	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH9-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL-02	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIL-04	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-0.2	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCF2/3-D	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-A/0.1	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-A/0.3	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-B/0.1	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-C/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-D/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-D/0.3-0.4	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-E/0.2-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-F/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-F/0.5-0.6	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-G/0.1-0.2	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
HA-H/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-H/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-I/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-J/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-K/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
HA-L/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-M/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-N/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
HA-N/0.2	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
HA-O/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-P/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-Q/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-R/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
HA-S/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-T/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-T/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-U/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-U/0.3	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HA-V/0.1	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
HA-W/0.0	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
SHA01-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA01-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA01-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA02/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA02/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-
SHA02/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA03/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA03/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	0.029	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-
SHA03/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA04/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA04/0.5	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA05/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA05/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA06/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA06/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA07/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA08/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA08/0.6	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA09/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA09/0.6	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA10/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA11/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA12/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA12/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA13/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA13/0.5	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA14/0.0	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA14/0.5	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA15/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA15/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-
SHA15/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA16/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-

									PCBs									Phenols	
	Methomyl	Oxamyl	Permethrin	Pirimphos-ethyl	Resmethrin	Sulfotepp	Thiodicarb	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Sum of total)	4,6-Dinitro-2-methylphenol	Picloram
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.002	0.002	2	0.05	2	0.001	0.002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.02
CRC Care HSL-C Recreational / Open Space																	
NEPM 2013 Table 1A(1) HILs Rec C Soil															1		5,700
NEPM 2013 Table 1A(1) HILs Res B Soil															1		6,600
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																	
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																	
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																	
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																	
NSW 2014 General Solid Waste CT1 (No Leaching)															< 50		60
NSW 2014 Restricted Solid Waste CT2 (No Leaching)															< 50		240
NSW 2014 General Solid Waste TCLP1																	
NSW 2014 General Solid Waste SCC1																	
PFAS NEMP 2020 Public open space (HIL C)																	
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																
SHA16/0.4	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	<2	-	<2	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA16-F	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA16-G	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA28/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA29/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA29/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA30/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA30/0.6	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA31/0.1	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SHA48/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
SHA48/0.6	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SP1-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575, 1128943**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
SS-02	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
SSED01	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	-	-
SSED01-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.003	<0.003	-	-	-	<0.002	<0.003	-	-	-	-	-	-	-	-	-	-
SSED02	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
SSED02-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.003	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP01/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP01/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.003	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP01/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP02/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP02/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP03/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP04/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP04/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP05/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP06/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP06/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.003	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP06/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP07-0.3	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP07/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP07-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP07-H	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**08 Dec 4990**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-0.3	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP08/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP08-A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-B	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-C	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP08-D	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP09/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP09/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP10/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP10/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP10/0.9	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP10-E	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-G	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP10-P	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP11/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP11/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP11/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP12/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP12/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP12/1.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP13/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP13/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP14/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP14/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP15/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP16/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP16/0.4	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP17/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP17/0.6	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP18/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP19/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP19/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP19/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP20/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP20/0.7	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP21-0.4	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP21/0.7	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP21-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP21-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP22/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP22/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP23/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP24/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP24/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP25/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP25/0.3	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP25/0.8	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP26/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP26/0.5	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP27/0.1	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP32/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP32/0.1-1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.002	<0.002	-	-	-	<0.001	<0.002	-	-	-	-	-	-	-	-	-	-
STP32/0.5	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP32/0.8	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP33/0.0-0.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP33/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP33/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP34/0.0-0.3-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP34/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-

									PCBs									Phenols		
	Methomyl	Oxamyl	Permethrin	Pirimphos-ethyl	Resmethrin	Sulfotepp	Thiodicarb	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Sum of total)	4,6-Dinitro-2-methylphenol	Picloram
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.002	0.002	2	0.05	2	0.001	0.002	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.02
CRC Care HSL-C Recreational / Open Space																	
NEPM 2013 Table 1A(1) HILs Rec C Soil															1		5,700
NEPM 2013 Table 1A(1) HILs Res B Soil															1		6,600
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																	
NEPM 2013 Table 1B(5) Generic EIL - Urban Res & Public Open Space																	
NEPM 2013 Site Specific EIL - Urban Res & Public Open Space																	
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																	
NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil																	
NSW 2014 General Solid Waste CT1 (No Leaching)															< 50		60
NSW 2014 Restricted Solid Waste CT2 (No Leaching)															< 50		240
NSW 2014 General Solid Waste TCLP1																	
NSW 2014 General Solid Waste SCC1																	
PFAS NEMP 2020 Public open space (HIL C)																	
Sample ID	**Sample Date**	**Field Mobilisation**	**Lab Report Number**																	
STP34/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP34/1.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP35/0.0-0.5-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP35/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP35/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP36/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP36/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP37/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP37/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP37/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP38/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP38/0.3	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP38/0.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP39/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP39/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP39-A	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-B	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-C	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP39-D	**25 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP40/0.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP40/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP40/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP41/0.1	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP42/0.0-0.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP42/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP42/0.4	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP43/0.0	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP43/0.0-0.2-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP43/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP43/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP44/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP44/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP45/0.0-1.1-ACM	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.0-1.1-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP45/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP45/1.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP45-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP45-E	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.0-0.7-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP46/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP46/0.8	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP47/0.0-1.4-SOIL	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STP47/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
STP47/1.2	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP47/1.7	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP49/0.1	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
STP49/0.5	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
T-A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
T-B	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
T-C	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
QA02	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA02a	**05 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.02
QA03	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
QA03a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.04
QA04	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA04a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.02
QA05	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-
QA05a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.02
QA06	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA06a	**06 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.02
QA07	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA07a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA08	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA08a	**07 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	<0.003	<0.003	-	<0.05	-	<0.001	<0.002	-	-	-	-	-	-	-	<0.1	-	<0.04
QA09	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA09a	**08 Feb 2024**	**Mobilisation 1: Initial DSI mobilisation**	**ES2404961**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	<0.02
QA10	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
QA10A	**24 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.04
QA12	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA12A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA13A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA14	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
QA14A	**26 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	-
QA15	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-
QA15A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.02
QA16	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	-
QA16A	**29 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**ES2425382**	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	-	<0.1	-	-
SOIL TRIP BLANK 1	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 2	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 3	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 4	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP BLANK 5	**23 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP SPIKE 1	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP SPIKE 2	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP SPIKE 3	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP SPIKE 4	**25 Jan 2024**	**Mobilisation 1: Initial DSI mobilisation**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOIL TRIP SPIKE 5	**23 Jul 2024**	**Mobilisation 2: Additional 'step-out' sampling**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
CRC Care, 2011, CRC Care HSL-C Recreational / Open Space
2013, NEPM 2013 Table 1A(1) HILs Rec C Soil
2013, NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
NEPM, 2013, NEPM 2013 Table 7 Rec C HSL for Asbestos in Soil
NSW EPA, November 2014, NSW 2014 General Solid Waste CT1 (No Leaching)
NSW EPA, November 2014, NSW 2014 Restricted Solid Waste CT2 (No Leaching)
HEPA, January 2020, PFAS NEMP 2020 Public open space (HIL C)

NL = Non Limiting

	Inorganics						Metals								TRH							
	Total Phosphorus as P (Organic Phosphate as P)	Nitrite + Nitrate as N	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10 Fraction (F1)		C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	%	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.01	0.01	0.1	0.02	0.02	0.1	0.001	0.0001	0.001	0.001	0.001	0.0001	0.001	0.005	20	1	20	50	50	100	100	100
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs								0.0002			0.0034	0.0006	0.011									
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																	NL | NL | NL		NL | NL | NL			
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																				
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	7.9	<0.05	3.2	<0.02	<0.02	3.2	0.002	<0.0002	<0.001	0.002	<0.001	<0.0001	0.002	0.016	<20	-	<20	<50	<50	<100	<100	<100
QA10a	**08 Feb 2024**	**ES2404961**	8.16	0.01	4.6	-	-	4.6	0.001	<0.0001	<0.001	0.003	<0.001	<0.0001	0.003	0.016	<20	-	<20	<100	<100	<100	<100	<100
RINSATE01	**06 Feb 2024**	**1067428**	<0.01	<0.05	<0.2	<0.02	<0.02	<0.2	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	<20	-	<20	<50	<50	<100	<100	<100
RINSATE01	**24 Jul 2024**	**1123575**	-	-	-	-	-	-	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	<20	-	<20	<50	<50	<100	<100	<100
RINSATE02	**07 Feb 2024**	**1067428**	<0.01	<0.05	<0.2	<0.02	<0.02	<0.2	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	<0.001	<0.005	<20	-	<20	<50	<50	<100	<100	<100
RINSATE02	**26 Jul 2024**	**1123575**	-	-	-	-	-	-	<0.001	<0.0002	0.008	0.002	<0.001	<0.0001	0.001	<0.005	<20	-	<20	<50	<50	<100	<100	<100
RINSATE03	**29 Jul 2024**	**1123575**	-	-	-	-	-	-	<0.001	<0.0002	0.003	<0.001	<0.001	<0.0001	<0.001	<0.005	<20	-	<20	<50	<50	<100	<100	<100
SSW01	**08 Feb 2024**	**1067428**	7.7	<0.05	0.4	<0.02	<0.02	0.4	0.002	<0.0002	<0.001	0.003	<0.001	<0.0001	0.002	0.017	<20	-	<20	<50	<50	<100	<100	<100
SSW02	**08 Feb 2024**	**1067428**	1.4	4.7	3.4	4.7	0.06	8.1	0.002	<0.0002	0.002	0.012	0.002	<0.0001	0.004	0.034	<20	-	<20	<50	<50	<100	<100	<100
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	<20	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	TPH						BTEXN															
	C6-C9 Fraction		C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Naphthalene (VOC)		Naphthalene	Benzene		Toluene		Ethylbenzene		Xylene (m & p)		Xylene (o)		Xylene Total		Total BTEX
	µg/L	%	µg/L	µg/L	µg/L	µg/L	µg/L	%	µg/L	µg/L	%	µg/L	%	µg/L	%	µg/L	%	µg/L	%	µg/L	%	µg/L
LOR	20	1	50	100	50	50	5	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs							16		16	950		180		80				350				
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand							NL		NL	NL		NL		NL						NL		
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																				
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
QA10a	**08 Feb 2024**	**ES2404961**	<20	-	<50	<100	<50	<50	<5	-	<1.0	<1	-	<2	-	<2	-	<2	-	<2	-	<2	-	<1
RINSATE01	**06 Feb 2024**	**1067428**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
RINSATE01	**24 Jul 2024**	**1123575**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
RINSATE02	**07 Feb 2024**	**1067428**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
RINSATE02	**26 Jul 2024**	**1123575**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
RINSATE03	**29 Jul 2024**	**1123575**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
SSW01	**08 Feb 2024**	**1067428**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
SSW02	**08 Feb 2024**	**1067428**	<20	-	<50	<100	<100	<100	<10	-	<1	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	<20	-	-	-	-	-	<10	-	-	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	<20	-	-	-	-	-	<10	-	-	<1	-	<1	-	<1	-	<2	-	<1	-	<3	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	71	-	-	-	-	-	97	-	-	110	-	88	-	100	-	110	-	100	-	110	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	110	-	-	-	-	-	98	-	-	110	-	83	-	98	-	100	-	97	-	98	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

			MAH									Other											
			Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Actril (loxynil)	Other chlorinated hydrocarbons EPAVic	Chlorinated hydrocarbons EPAVic	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			3	1	1	1	5	5	5	5	1	5	1	5	5	1	1	1	1	1	1	5	1	5
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs						30											270	400	6,500		700			
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																								
PFAS NEMP 2020 Freshwater 95%																								
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<3	<1	<1	<1	-	-	-	-	<1	-	-	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
QA10a	**08 Feb 2024**	**ES2404961**	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5
RINSATE01	**06 Feb 2024**	**1067428**	<3	<1	<1	<1	-	-	-	-	<1	-	<1	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
RINSATE01	**24 Jul 2024**	**1123575**	<3	<1	<1	<1	-	-	-	-	<1	-	<1	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
RINSATE02	**07 Feb 2024**	**1067428**	<3	<1	<1	<1	-	-	-	-	<1	-	<1	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
RINSATE02	**26 Jul 2024**	**1123575**	<3	<1	<1	<1	-	-	-	-	<1	-	-	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
RINSATE03	**29 Jul 2024**	**1123575**	<3	<1	<1	<1	-	-	-	-	<1	-	<1	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
SSW01	**08 Feb 2024**	**1067428**	<3	<1	<1	<1	-	-	-	-	<1	-	-	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
SSW02	**08 Feb 2024**	**1067428**	<3	<1	<1	<1	-	-	-	-	<1	-	-	<5	<5	<1	<1	<1	<1	<1	<1	-	<1	-
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	Chlorinated Hydrocarbons																					
	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	1	1	1	5	1	1	1	1	1	5	5	5	1	1	1	5	5	1	1	1	1	5
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs	1,900	900	1,100			1		240			770					4,000		330	70			100
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																						
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																					
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
QA10a	**08 Feb 2024**	**ES2404961**	<5	<5	<5	<5	-	<5	<5	<5	<5	<50	<5	<50	<5	<5	<5	-	<5	<5	<5	<5	<5	<50
RINSATE01	**06 Feb 2024**	**1067428**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
RINSATE01	**24 Jul 2024**	**1123575**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
RINSATE02	**07 Feb 2024**	**1067428**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
RINSATE02	**26 Jul 2024**	**1123575**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
RINSATE03	**29 Jul 2024**	**1123575**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
SSW01	**08 Feb 2024**	**1067428**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
SSW02	**08 Feb 2024**	**1067428**	<1	<1	<1	-	<1	<1	<1	<1	<1	<5	<5	<5	<1	<1	<1	<5	-	<1	<1	<1	<1	<5
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

			Halogenated Benzenes									Halogenated Hydrocarbons					Herbicides							
			1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	Dicamba	Dinoseb	2-Methyl-4-chlorophenoxyacetic acid
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			5	5	1	1	1	5	1	1	1	1	5	5	1	5	1	1	1	1	1	1	1	1
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs			10	170	160	260	60				55						36		280					
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																								
PFAS NEMP 2020 Freshwater 95%																								
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	-	-	-	-	-	-	-	-
QA10a	**08 Feb 2024**	**ES2404961**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<50	<50	<5	<50	-	-	-	-	-	-	-	-
RINSATE01	**06 Feb 2024**	**1067428**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
RINSATE01	**24 Jul 2024**	**1123575**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
RINSATE02	**07 Feb 2024**	**1067428**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
RINSATE02	**26 Jul 2024**	**1123575**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	-	-	-	-	-	-	-	-
RINSATE03	**29 Jul 2024**	**1123575**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
SSW01	**08 Feb 2024**	**1067428**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	-	-	-	-	-	-	-	-
SSW02	**08 Feb 2024**	**1067428**	-	-	<1	<1	<1	-	<1	<1	<1	<1	<5	<5	<1	<5	-	-	-	-	-	-	-	-
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

			PFAS						(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkane Carboxylic Acids									
			2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Perfluorononanesulfonic acid (PFNS)	Sum of PFHxS and PFOS	Sum of PFAS	Sum of PFAS (WA DER List)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid (PFHxA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs																								
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																								
PFAS NEMP 2020 Freshwater 95%																			220					
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	<0.01	<0.01	<0.1	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
QA10	**08 Feb 2024**	**1067428**	-	-	<0.01	<0.01	0.13	0.13	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	0.08	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
QA10a	**08 Feb 2024**	**ES2404961**	-	-	-	<0.01	0.11	0.11	-	-	<0.05	<0.05	<0.05	<0.05	<0.1	0.06	0.05	<0.02	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02
RINSATE01	**06 Feb 2024**	**1067428**	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RINSATE01	**24 Jul 2024**	**1123575**	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RINSATE02	**07 Feb 2024**	**1067428**	<1	<1	<0.01	<0.01	<0.1	<0.05	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
RINSATE02	**26 Jul 2024**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RINSATE03	**29 Jul 2024**	**1123575**	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SSW01	**08 Feb 2024**	**1067428**	-	-	<0.01	<0.01	0.11	0.11	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	0.06	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SSW02	**08 Feb 2024**	**1067428**	-	-	<0.01	<0.01	0.29	0.29	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.05	0.11	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

			Perfluoroalkane Sulfonic Acids							Perfluoroalkyl Sulfonamides							Solvents						
			Perfluoroundecanoic acid (PFUnDA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Methyl Ethyl Ketone	2-hexanone (MBK)	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	Vinyl acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.02	0.05	0.05	0.02	0.05	5	50	5	5	1	1	50
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs									0.48															
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																								
PFAS NEMP 2020 Freshwater 95%									0.13															
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	-	<5	<5	<1	<1	-
QA10a	**08 Feb 2024**	**ES2404961**	<0.02	-	<0.02	<0.02	<0.01	<0.02	<0.01	<0.02	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<50	<50	<50	-	-	<5	<50
RINSATE01	**06 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	<5	<1	<1	-
RINSATE01	**24 Jul 2024**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	<5	<1	<1	-
RINSATE02	**07 Feb 2024**	**1067428**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	-	<5	<5	<1	<1	-
RINSATE02	**26 Jul 2024**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	<5	<1	<1	-
RINSATE03	**29 Jul 2024**	**1123575**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	-	<5	<5	<1	<1	-
SSW01	**08 Feb 2024**	**1067428**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	-	<5	<5	<1	<1	-
SSW02	**08 Feb 2024**	**1067428**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<5	-	<5	<5	<1	<1	-
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	VOCs			PAH																		
	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	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	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ calc (Zero)	PAHs (Sum of total)	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
LOR	5	5	5	1	1	1	1	0.5	1	1	1	1	1	1	1	1	1	1	0.0005	0.5	2	2
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs			80			0.4		0.2						1.4			2					
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																						
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																				
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
QA10a	**08 Feb 2024**	**ES2404961**	<5	<5	<5	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.0005	<0.5	-	-
RINSATE01	**06 Feb 2024**	**1067428**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
RINSATE01	**24 Jul 2024**	**1123575**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
RINSATE02	**07 Feb 2024**	**1067428**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
RINSATE02	**26 Jul 2024**	**1123575**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
RINSATE03	**29 Jul 2024**	**1123575**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
SSW01	**08 Feb 2024**	**1067428**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
SSW02	**08 Feb 2024**	**1067428**	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<2	<2
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	Organochlorine Pesticides																					
	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs						0.08					0.01						0.02			0.2	0.09	
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																						
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
QA10a	**08 Feb 2024**	**ES2404961**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
RINSATE01	**06 Feb 2024**	**1067428**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
RINSATE01	**24 Jul 2024**	**1123575**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
RINSATE02	**07 Feb 2024**	**1067428**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
RINSATE02	**26 Jul 2024**	**1123575**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
RINSATE03	**29 Jul 2024**	**1123575**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SSW01	**08 Feb 2024**	**1067428**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SSW02	**08 Feb 2024**	**1067428**	<0.2	<0.2	<0.2	<0.2	<0.2	<2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

																								Organophosphorous
				Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.2	0.2	5	2	0.5	2	0.5	0.5	0.5	0.5	0.5	20	2	2	0.5	0.5	0.5	2	0.5	2	2	2
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs				0.1		0.2		0.02					0.01					0.01		0.15				0.2	
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																								
PFAS NEMP 2020 Freshwater 95%																								
Sample ID	**Sample Date**	**Lab Report Number**																						
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
QA10a	**08 Feb 2024**	**ES2404961**	<0.5	<2.0	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-
RINSATE01	**06 Feb 2024**	**1067428**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RINSATE01	**24 Jul 2024**	**1123575**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RINSATE02	**07 Feb 2024**	**1067428**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RINSATE02	**26 Jul 2024**	**1123575**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
RINSATE03	**29 Jul 2024**	**1123575**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SSW01	**08 Feb 2024**	**1067428**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SSW02	**08 Feb 2024**	**1067428**	<0.2	<0.2	<5	<2	<2	<2	-	-	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	Pesticides																		Pesticides			
	Fenthion	EPN	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Pirimiphos-methyl	Prothiofos	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Demeton-S-methyl	Fenamiphos	Pirimphos-ethyl	Arochlor 1016
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.5	2	0.5	2	2	2	2	2	20	2	2	20	0.5	2	2	2	2	2	0.5	0.5	0.5	5
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs			0.05							0.004												
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand																						
PFAS NEMP 2020 Freshwater 95%																						
Sample ID	**Sample Date**	**Lab Report Number**																				
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
QA10a	**08 Feb 2024**	**ES2404961**	<0.5	-	<0.5	-	<2.0	-	<2.0	-	-	<2.0	-	-	<0.5	-	-	-	-	-	<0.5	<0.5	<0.5	-
RINSATE01	**06 Feb 2024**	**1067428**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
RINSATE01	**24 Jul 2024**	**1123575**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
RINSATE02	**07 Feb 2024**	**1067428**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
RINSATE02	**26 Jul 2024**	**1123575**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
RINSATE03	**29 Jul 2024**	**1123575**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
SSW01	**08 Feb 2024**	**1067428**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
SSW02	**08 Feb 2024**	**1067428**	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	-	<2	<2	<2	<2	<2	-	-	-	<5
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
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HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

	PCBs							Phenols
	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	4,6-Dinitro-2-methylphenol
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	5	5	5	5	5	5	1	1
ANZG (2018) Freshwater 95% LOSP Toxicant DGVs			0.6		0.03			
NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand								
PFAS NEMP 2020 Freshwater 95%								
Sample ID	**Sample Date**	**Lab Report Number**							
PFAS BLANK	**07 Feb 2024**	**1067428**	-	-	-	-	-	-	-	-
QA10	**08 Feb 2024**	**1067428**	<5	<5	<5	<5	<5	<5	<5	-
QA10a	**08 Feb 2024**	**ES2404961**	-	-	-	-	-	-	<1	-
RINSATE01	**06 Feb 2024**	**1067428**	<5	<5	<5	<5	<5	<5	<5	<1
RINSATE01	**24 Jul 2024**	**1123575**	<5	<5	<5	<5	<5	<5	<5	<1
RINSATE02	**07 Feb 2024**	**1067428**	<5	<5	<5	<5	<5	<5	<5	<1
RINSATE02	**26 Jul 2024**	**1123575**	<5	<5	<5	<5	<5	<5	<5	-
RINSATE03	**29 Jul 2024**	**1123575**	<5	<5	<5	<5	<5	<5	<5	<1
SSW01	**08 Feb 2024**	**1067428**	<5	<5	<5	<5	<5	<5	<5	-
SSW02	**08 Feb 2024**	**1067428**	<5	<5	<5	<5	<5	<5	<5	-
WATER TRIP BLANK 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-
WATER TRIP BLANK 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 1	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-
WATER TRIP SPIKE 2	**25 Jan 2024**	**1067428**	-	-	-	-	-	-	-	-

Environmental Standards
ANZG, March 2021, ANZG (2018) Freshwater 95% LOSP Toxicant DGVs
2013, NEPM 2013 Table 1A(4) Rec HSL C GW for Vapour Intrusion, Sand
HEPA, January 2020, PFAS NEMP 2020 Freshwater 95%

NL = Non Limiting

		Field ID	STP09/0.3	QA02		STP09/0.3	QA02a		STP34/0.2	QA03	
		Date	05 Feb 2024	05 Feb 2024		05 Feb 2024	05 Feb 2024		06 Feb 2024	06 Feb 2024	
		Lab Report Number	1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Inorganics											
Conductivity (1:5 aqueous extract)	µS/cm	10	-	-	-	-	-	-	-	-	-
Electrical Conductivity (Lab)	µS/cm	1	-	-	-	-	-	-	-	-	-
Moisture Content (dried @ 103°C)	%	1	19	15	24	19	-	-	20	19	5
Metals											
Arsenic	mg/kg	2	4.0	3.3	19	4.0	-	-	5.6	4.8	15
Cadmium	mg/kg	0.4	-	-	-	-	-	-	<0.4	<0.4	0
Chromium (III+VI)	mg/kg	2	-	-	-	-	-	-	15	13	14
Copper	mg/kg	5	-	-	-	-	-	-	23	21	9
Lead	mg/kg	5	19	15	24	19	-	-	20	18	11
Mercury	mg/kg	0.1	-	-	-	-	-	-	<0.1	<0.1	0
Nickel	mg/kg	2	-	-	-	-	-	-	7.1	5.8	20
Zinc	mg/kg	5	-	-	-	-	-	-	38	45	17
TRH											
C6-C10 Fraction (F1)	mg/kg	10	-	-	-	-	-	-	<20	<20	0
C6-C10 (F1 minus BTEX)	mg/kg	10	-	-	-	-	-	-	<20	<20	0
>C10-C16 Fraction (F2)	mg/kg	50	-	-	-	-	-	-	<50	50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	-	-	-	-	-	-	<50	50	0
>C16-C34 Fraction (F3)	mg/kg	100	-	-	-	-	-	-	<100	290	97
>C34-C40 Fraction (F4)	mg/kg	100	-	-	-	-	-	-	<100	<100	0
>C10-C40 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	<100	340	109
TPH											
C6-C9 Fraction	mg/kg	10	-	-	-	-	-	-	<20	<20	0
C10-C14 Fraction	mg/kg	20	-	-	-	-	-	-	<20	38	62
C15-C28 Fraction	mg/kg	50	-	-	-	-	-	-	<50	250	133
C29-C36 Fraction	mg/kg	50	-	-	-	-	-	-	53	97	59
C10-C36 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	53	385	152
BTEXN											
Naphthalene (VOC)	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Naphthalene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Benzene	mg/kg	0.1	-	-	-	-	-	-	<0.1	<0.1	0
Toluene	mg/kg	0.1	-	-	-	-	-	-	<0.1	<0.1	0
Ethylbenzene	mg/kg	0.1	-	-	-	-	-	-	<0.1	<0.1	0
Xylene (m & p)	mg/kg	0.2	-	-	-	-	-	-	<0.2	<0.2	0
Xylene (o)	mg/kg	0.1	-	-	-	-	-	-	<0.1	<0.1	0
Xylene Total	mg/kg	0.3	-	-	-	-	-	-	<0.3	<0.3	0
Total BTEX	mg/kg	0.2	-	-	-	-	-	-	-	-	-
MAH											
Total MAH	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Isopropylbenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Other											
Actril (loxynil)	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Triazophos	mg/kg	0.001	-	-	-	-	-	-	-	-	-
PFAS											
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	-	-	-	-	-	-	-	-	-
Sum of PFHxS and PFOS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-
Sum of PFAS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-
Sum of PFAS (WA DER List)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids											
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-
Fungicides											
Benomyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Fenarimol	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-	-	-	-
Propiconazole	mg/kg	0.01	-	-	-	-	-	-	-	-	-
Acid Sulphate Soils - Field											
pHF	-	0.1	-	-	-	-	-	-	-	-	-
pHFox	-	0.1	-	-	-	-	-	-	-	-	-
Carbamates											
Methiocarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Chlorinated Hydrocarbons											
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Bromodichloromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Bromoform	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chlorodibromomethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chloroethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chloroform	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chloromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Dibromomethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Dichloromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Vinyl chloride	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Halogenated Benzenes											
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Bromobenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Halogenated Hydrocarbons											
1,2-dibromoethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Bromomethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Iodomethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0
Herbicides											
Metribuzin	mg/kg	0.004	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
2,4,5-TP (Silvex)	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
Hedonal	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
2,4-Dichlorprop	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	-	-	-	<0.02	-	-	-	-
Ametryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Bromacil	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Clopyralid	mg/kg	0.02	-	-	-	-	<0.02	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Dicamba	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
Dinoseb	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Diuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Fluometuron	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Fluroxypyr	mg/kg	0.02	-	-	-	-	<0.02	-	-	-	-

		Field ID	STP09/0.3	QA02		STP09/0.3	QA02a		STP34/0.2	QA03		
		Date	05 Feb 2024	05 Feb 2024		05 Feb 2024	05 Feb 2024		06 Feb 2024	06 Feb 2024		
		Lab Report Number	1067428	1067428		1067428	ES2404961		1067428	1067428		
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	
	Unit	EQL										
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
Mecoprop	mg/kg	0.02	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Triclopyr	mg/kg	0.02	-	-	-	-	<0.02	-	-	-	-	
NA												
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Moisture Content	%	0.1	-	-	-	-	15.4	-	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	-	-	
Organic												
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Carboxylic Acids												
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-	-	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Sulfonic Acids												
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Perfluoroalkyl Sulfonamides												
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
Solvents												
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Acetone	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Allyl chloride	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Carbon disulfide	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-	-	-	
VOCs												
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
PAH												
Acenaphthene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Acenaphthylene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Anthracene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benz(a)anthracene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benzo(a) pyrene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benzo(b+j)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benzo(g,h,i)perylene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benzo(k)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Chrysene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Dibenz(a,h)anthracene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Fluoranthene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Fluorene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Phenanthrene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Pyrene	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	-	-	-	-	-	-	0.6	0.6	0	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	-	-	-	-	-	-	1.2	1.2	0	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
PAHs (Sum of total)	mg/kg	0.5	-	-	-	-	-	-	<0.5	<0.5	0	
Organochlorine Pesticides												
Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0	
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0	
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Chlordane	mg/kg	0.05	<0.1	<0.1	0	<0.1	<0.05	0	<1	<1	0	
Chlordane (cis)	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0	
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0	
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	<10	<10	0	
Organophosphorous Pesticides												
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Azinophos methyl	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Chlorpyrifos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Coumaphos	mg/kg	0.002	<2	<2	0	<2	-	-	<5	<5	0	
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Diazinon	mg/kg	0.002	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Dichlorvos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Dimethoate	mg/kg	0.004	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Disulfoton	mg/kg	0.01	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Ethion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	

		Field ID	STP09/0.3	QA02		STP09/0.3	QA02a		STP34/0.2	QA03	
		Date	05 Feb 2024	05 Feb 2024		05 Feb 2024	05 Feb 2024		06 Feb 2024	06 Feb 2024	
		Lab Report Number	1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Ethoprop	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenitrothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fensulfothion	mg/kg	0.005	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenthion	mg/kg	0.01	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Malathion	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Mevinphos (Phosdrin)	mg/kg	0.005	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Monocrotophos	mg/kg	0.005	<2	<2	0	<2	<0.2	0	<5	<5	0
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Omethoate	mg/kg	0.002	<2	<2	0	<2	-	-	<5	<5	0
Parathion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Phorate	mg/kg	0.02	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Pirimiphos-methyl	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Prothiofos	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Ronnel	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Tetrachlorvinphos	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Acid Sulphate Soils											
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-
Pesticides											
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-
Fenamiphos	mg/kg	0.002	-	-	-	-	<0.05	-	-	-	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-	-	-	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-
PCBs											
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	<1	<1	0
Phenols											
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Picloram	mg/kg	0.02	-	-	-	-	<0.02	-	-	-	-

**RPDs have only been considered where a concentration is greater than 1 times the EQL.

**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 100 (1 - 5 x EQL); 75 (5 - 10 x EQL); 30 (> 10 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

			Field ID	STP34/0.2	QA03a		STP39/0.5	QA04		STP39/0.5	QA04a		STP43/0.1	QA05	
			Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024	
			Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Inorganics															
Conductivity (1:5 aqueous extract)	µS/cm	10		-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (Lab)	µS/cm	1		-	-	-	-	-	-	-	-	-	-	-	-
Moisture Content (dried @ 103°C)	%	1		20	-	-	23	22	4	23	-	-	17	11	43
Metals															
Arsenic	mg/kg	2		5.6	6	7	4.2	7.5	56	4.2	<5	0	<2	5.9	99
Cadmium	mg/kg	0.4		<0.4	<1	0	<0.4	<0.4	0	<0.4	<1	0	<0.4	<0.4	0
Chromium (III+VI)	mg/kg	2		15	23	42	19	32	51	19	23	19	8.6	20	80
Copper	mg/kg	5		23	31	30	23	21	9	23	23	0	29	24	19
Lead	mg/kg	5		20	26	26	26	34	27	26	26	0	10	17	52
Mercury	mg/kg	0.1		<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Nickel	mg/kg	2		7.1	12	51	16	17	6	16	21	27	23	19	19
Zinc	mg/kg	5		38	64	51	63	61	3	63	60	5	73	66	10
TRH															
C6-C10 Fraction (F1)	mg/kg	10		<20	<10	0	<20	<20	0	<20	<10	0	<20	<20	0
C6-C10 (F1 minus BTEX)	mg/kg	10		<20	<10	0	<20	<20	0	<20	<10	0	<20	<20	0
>C10-C16 Fraction (F2)	mg/kg	50		<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50		<50	<50	0	<50	<50	0	<50	<50	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	100		<100	<100	0	<100	<100	0	<100	<100	0	100	420	123
>C34-C40 Fraction (F4)	mg/kg	100		<100	<100	0	<100	<100	0	<100	<100	0	<100	660	147
>C10-C40 Fraction (Sum)	mg/kg	50		<100	<50	0	<100	<100	0	<100	<50	0	100	1,080	166
TPH															
C6-C9 Fraction	mg/kg	10		<20	<10	0	<20	<20	0	<20	<10	0	<20	<20	0
C10-C14 Fraction	mg/kg	20		<20	<50	0	<20	<20	0	<20	<50	0	<20	<20	0
C15-C28 Fraction	mg/kg	50		<50	<100	0	<50	<50	0	<50	<100	0	59	130	75
C29-C36 Fraction	mg/kg	50		53	<100	0	<50	<50	0	<50	<100	0	68	460	148
C10-C36 Fraction (Sum)	mg/kg	50		53	<50	6	<50	<50	0	<50	<50	0	127	590	129
BTEXN															
Naphthalene (VOC)	mg/kg	0.5		<0.5	<1	0	<0.5	<0.5	0	<0.5	<1	0	<0.5	<0.5	0
Naphthalene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Benzene	mg/kg	0.1		<0.1	<0.2	0	<0.1	<0.1	0	<0.1	<0.2	0	<0.1	<0.1	0
Toluene	mg/kg	0.1		<0.1	<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1	<0.1	0
Ethylbenzene	mg/kg	0.1		<0.1	<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1	<0.1	0
Xylene (m & p)	mg/kg	0.2		<0.2	<0.5	0	<0.2	<0.2	0	<0.2	<0.5	0	<0.2	<0.2	0
Xylene (o)	mg/kg	0.1		<0.1	<0.5	0	<0.1	<0.1	0	<0.1	<0.5	0	<0.1	<0.1	0
Xylene Total	mg/kg	0.3		<0.3	<0.5	0	<0.3	<0.3	0	<0.3	<0.5	0	<0.3	<0.3	0
Total BTEX	mg/kg	0.2		-	<0.2	-	-	-	-	-	<0.2	-	-	-	-
MAH															
Total MAH	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
1,2,4-trimethylbenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Isopropylbenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
n-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
n-propylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
p-isopropyltoluene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
sec-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
Styrene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
tert-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
Other															
Actril (loxynil)	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Tebuconazole	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Triazophos	mg/kg	0.001		-	-	-	-	-	-	-	-	-	-	-	-
PFAS															
Perfluorononanesulfonic acid (PFNS)	µg/kg	5		-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFHxS and PFOS	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS (WA DER List)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	-	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	-	-	-
Fungicides															
Benomyl	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Fenarimol	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004		-	-	-	-	-	-	-	-	-	-	-	-
Propiconazole	mg/kg	0.01		-	-	-	-	-	-	-	-	-	-	-	-
Acid Sulphate Soils - Field															
pHF	-	0.1		-	-	-	-	-	-	-	-	-	-	-	-
pHFox	-	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Carbamates															
Methiocarb	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Hydrocarbons															
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
1,1,1,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloropropene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,2-dibromo-3-chloropropane	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
1,2-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2,2-dichloropropane	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
Bromochloromethane	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Bromodichloromethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Bromoform	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Chlorodibromomethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Chloroethane	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
Chloroform	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Chloromethane	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
cis-1,2-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Dibromomethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Dichloromethane	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Hexachlorobutadiene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
Trichloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Vinyl chloride	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
Halogenated Benzenes															
1,2,3-trichlorobenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
2-chlorotoluene	mg/kg	0.5		-	<0.5	-	-	-	-	-	<0.5	-	-	-	-
4-chlorotoluene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Bromobenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Halogenated Hydrocarbons															
1,2-dibromoethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Bromomethane	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
Dichlorodifluoromethane	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
Iodomethane	mg/kg	0.5		<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5		<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0
Herbicides															
Metribuzin	mg/kg	0.004		-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
2,4,5-TP (Silvex)	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
Hedonal	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
2,4-Dichlorprop	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
4-Chlorophenoxy acetic acid	mg/kg	0.02		-	<0.04	-	-	-	-	-	<0.02	-	-	-	-
Ametryn	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Bromacil	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Clopyralid	mg/kg	0.02		-	<0.04	-	-	-	-	-	<0.02	-	-	-	-
Cyanazine	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Dicamba	mg/kg	0.02		<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0
Dinoseb	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Diuron	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Fluometuron	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Fluroxypyr	mg/kg	0.02		-	<0.04	-	-	-	-	-	<0.02	-	-	-	-

			Field ID	STP34/0.2	QA03a		STP39/0.5	QA04		STP39/0.5	QA04a		STP43/0.1	QA05	
			Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024	
			Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
Mecoprop	mg/kg	0.02	<0.5	<0.04	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	<0.5	0	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Triclopyr	mg/kg	0.02	-	<0.04	-	-	-	-	-	<0.02	-	-	-	-	
NA															
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture Content	%	0.1	-	26.4	-	-	-	-	-	-	21.6	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Organic															
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Sulfonic Acids															
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Solvents															
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0	
2-hexanone (MBK)	mg/kg	5	-	<5	-	-	-	-	-	<5	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<5	0	<0.5	<0.5	0	<0.5	<5	0	<0.5	<0.5	0	
Acetone	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0	
Allyl chloride	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0	
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Vinyl acetate	mg/kg	5	-	<5	-	-	-	-	-	<5	-	-	-	-	
VOCs															
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	
PAH															
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Acenaphthylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	0.6	18	
Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	0.5	0	
Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	0.5	1.3	89	
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Chrysene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	0.7	33	
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Fluorene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	0.5	0	
Phenanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	
Pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	1.1	75	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	1.0	50	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.3	8	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	0.7	33	
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	0.5	4.7	162	
Organochlorine Pesticides															
Organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0	
Other organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0	
4,4-DDE	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
a-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Aldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Aldrin + Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
b-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Chlordane	mg/kg	0.05	<1	<0.05	0	<0.1	<0.1	0	<0.1	<0.05	0	<1	<1	0	
Chlordane (cis)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
DDD	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
DDT	mg/kg	0.05	<0.5	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0	
DDT+DDE+DDD	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan II	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endosulfan sulphate	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin aldehyde	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Endrin ketone	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
g-BHC (Lindane)	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Heptachlor	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Heptachlor epoxide	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Hexachlorobenzene	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5	0	
Methoxychlor	mg/kg	0.05	<0.5	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.5	<0.5	0	
Toxaphene	mg/kg	0.5	<10	-	-	<0.5	<0.5	0	<0.5	-	-	<10	<10	0	
Organophosphorous Pesticides															
Tokuthion	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Azinophos methyl	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Bolstar (Sulprofos)	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Bromophos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Chlorpyrifos	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Chlorpyrifos-methyl	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Coumaphos	mg/kg	0.002	<5	-	-	<2	<2	0	<2	-	-	<5	<5	0	
Demeton-O	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Demeton-S	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Diazinon	mg/kg	0.002	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Dichlorvos	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Dimethoate	mg/kg	0.004	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	
Disulfoton	mg/kg	0.01	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0	
Ethion	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0	

		Field ID	STP34/0.2	QA03a		STP39/0.5	QA04		STP39/0.5	QA04a		STP43/0.1	QA05	
		Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024	
		Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Ethoprop	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenitrothion	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fensulfothion	mg/kg	0.005	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Fenthion	mg/kg	0.01	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0
EPN	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Malathion	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.5	<0.5	0
Merphos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Methyl parathion	mg/kg	0.2	<0.5	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Mevinphos (Phosdrin)	mg/kg	0.005	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Monocrotophos	mg/kg	0.005	<5	<0.2	0	<2	<2	0	<2	<0.2	0	<5	<5	0
Naled (Dibrom)	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Omethoate	mg/kg	0.002	<5	-	-	<2	<2	0	<2	-	-	<5	<5	0
Parathion	mg/kg	0.05	<0.5	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.5	<0.5	0
Phorate	mg/kg	0.02	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Pirimiphos-methyl	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Prothiofos	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Ronnel	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Terbufos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Trichloronate	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Tetrachlorvinphos	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.5	<0.5	0
Acid Sulphate Soils														
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-	-	-	-
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides														
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Fenamiphos	mg/kg	0.002	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Arochlor 1016	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1221	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1232	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1242	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1248	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1254	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
Arochlor 1260	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<1	<1	0
PCBs (Sum of total)	mg/kg	0.1	<1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<1	<1	0
Phenols														
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Picloram	mg/kg	0.02	-	<0.04	-	-	-	-	-	<0.02	-	-	-	-

*RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

			Field ID	STP43/0.1	QA05a		STP49/0.1	QA06		STP49/0.1	QA06a		STP01/0.1	QA07	
			Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		07 Feb 2024	07 Feb 2024	
			Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Inorganics															
Conductivity (1:5 aqueous extract)	µS/cm	10		-	-	-	-	-	-	-	-	-	<10	13	26
Electrical Conductivity (Lab)	µS/cm	1		-	-	-	-	-	-	-	-	-	-	-	-
Moisture Content (dried @ 103°C)	%	1		17	-	-	29	22	27	29	-	-	16	12	29
Metals															
Arsenic	mg/kg	2		<2	<5	0	5.8	5.9	2	5.8	-	-	11	-	-
Cadmium	mg/kg	0.4		<0.4	<1	0	-	-	-	-	-	-	-	-	-
Chromium (III+VI)	mg/kg	2		8.6	11	24	-	-	-	-	-	-	-	-	-
Copper	mg/kg	5		29	9	105	-	-	-	-	-	-	-	-	-
Lead	mg/kg	5		10	12	18	22	27	20	22	-	-	37	-	-
Mercury	mg/kg	0.1		<0.1	<0.1	0	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	2		23	4	141	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	5		73	44	50	-	-	-	-	-	-	-	-	-
TRH															
C6-C10 Fraction (F1)	mg/kg	10		<20	<10	0	-	-	-	-	-	-	-	-	-
C6-C10 (F1 minus BTEX)	mg/kg	10		<20	<10	0	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2)	mg/kg	50		<50	<50	0	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50		<50	<50	0	-	-	-	-	-	-	-	-	-
>C16-C34 Fraction (F3)	mg/kg	100		100	<100	0	-	-	-	-	-	-	-	-	-
>C34-C40 Fraction (F4)	mg/kg	100		<100	<100	0	-	-	-	-	-	-	-	-	-
>C10-C40 Fraction (Sum)	mg/kg	50		100	<50	67	-	-	-	-	-	-	-	-	-
TPH															
C6-C9 Fraction	mg/kg	10		<20	<10	0	-	-	-	-	-	-	-	-	-
C10-C14 Fraction	mg/kg	20		<20	<50	0	-	-	-	-	-	-	-	-	-
C15-C28 Fraction	mg/kg	50		59	<100	0	-	-	-	-	-	-	-	-	-
C29-C36 Fraction	mg/kg	50		68	<100	0	-	-	-	-	-	-	-	-	-
C10-C36 Fraction (Sum)	mg/kg	50		127	<50	87	-	-	-	-	-	-	-	-	-
BTEXN															
Naphthalene (VOC)	mg/kg	0.5		<0.5	<1	0	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1		<0.1	<0.2	0	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.1		<0.1	<0.5	0	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.1		<0.1	<0.5	0	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	0.2		<0.2	<0.5	0	-	-	-	-	-	-	-	-	-
Xylene (o)	mg/kg	0.1		<0.1	<0.5	0	-	-	-	-	-	-	-	-	-
Xylene Total	mg/kg	0.3		<0.3	<0.5	0	-	-	-	-	-	-	-	-	-
Total BTEX	mg/kg	0.2		-	<0.2	-	-	-	-	-	-	-	-	-	-
MAH															
Total MAH	mg/kg	0.5		<0.5	-	-	-	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
n-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
Other															
Actril (loxynil)	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	-	-
Tebuconazole	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Triazophos	mg/kg	0.001		-	-	-	-	-	-	-	-	-	-	-	-
PFAS															
Perfluorononanesulfonic acid (PFNS)	µg/kg	5		-	-	-	-	-	-	-	-	-	<5	<5	0
Sum of PFHxS and PFOS	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Sum of PFAS	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	<0.05	<0.05	0
Sum of PFAS (WA DER List)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-	<0.01	<0.01	0
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
(n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	<0.01	<0.01	0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Fungicides															
Benomyl	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Fenarimol	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004		-	-	-	-	-	-	-	-	-	-	-	-
Propiconazole	mg/kg	0.01		-	-	-	-	-	-	-	-	-	-	-	-
Acid Sulphate Soils - Field															
pHF	-	0.1		-	-	-	-	-	-	-	-	-	6.4	6.3	2
pHFox	-	0.1		-	-	-	-	-	-	-	-	-	4.7	3.8	21
Carbamates															
Methiocarb	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Hydrocarbons															
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	-	-	-	-	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5		<0.5	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,1-dichloropropene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5		<0.5	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Dibromomethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	0.5		<0.5	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
Halogenated Benzenes															
1,2,3-trichlorobenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5		-	<0.5	-	-	-	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Bromobenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Halogenated Hydrocarbons															
1,2-dibromoethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
Iodomethane	mg/kg	0.5		<0.5	<0.5	0	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5		<0.5	<5	0	-	-	-	-	-	-	-	-	-
Herbicides															
Metribuzin	mg/kg	0.004		-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
2,4,5-TP (Silvex)	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
Hedonal	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
2,4-Dichlorprop	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
4-Chlorophenoxy acetic acid	mg/kg	0.02		-	<0.02	-	-	-	-	-	<0.02	-	-	-	-
Ametryn	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Bromacil	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Clopyralid	mg/kg	0.02		-	<0.02	-	-	-	-	-	<0.02	-	-	-	-
Cyanazine	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Dicamba	mg/kg	0.02		<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-
Dinoseb	mg/kg	0.5		<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	-	-
Diuron	mg/kg	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Fluometuron	mg/kg	0.002		-	-	-	-	-	-	-	-	-	-	-	-
Fluroxypyr	mg/kg	0.02		-	<0.02	-	-	-	-	-	<0.02	-	-	-	-

			Field ID	STP43/0.1	QA05a		STP49/0.1	QA06		STP49/0.1	QA06a		STP01/0.1	QA07	
			Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		07 Feb 2024	07 Feb 2024	
			Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-	
Mecoprop	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.02	0	<0.5	-	-	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Triclopyr	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.02	-	-	-	-	
NA															
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture Content	%	0.1	-	15.2	-	-	-	-	-	-	19.2	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Organic															
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoroalkane Sulfonic Acids															
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	0
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	0
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	0
Solvents															
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<5	0	-	-	-	-	-	-	-	-	-	
2-hexanone (MBK)	mg/kg	5	-	<5	-	-	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<5	0	-	-	-	-	-	-	-	-	-	
Acetone	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	
Allyl chloride	mg/kg	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Vinyl acetate	mg/kg	5	-	<5	-	-	-	-	-	-	-	-	-	-	
VOCs															
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	
PAH															
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Acenaphthylene	mg/kg	0.5	<0.5	0.7	33	-	-	-	-	-	-	-	-	-	
Anthracene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Benzo(a) pyrene	mg/kg	0.5	<0.5	1.2	82	-	-	-	-	-	-	-	-	-	
Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	1.1	75	-	-	-	-	-	-	-	-	-	
Benzo(g,h,i)perylene	mg/kg	0.5	0.5	1.5	100	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Chrysene	mg/kg	0.5	<0.5	0.7	33	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Fluoranthene	mg/kg	0.5	<0.5	0.6	18	-	-	-	-	-	-	-	-	-	
Fluorene	mg/kg	0.5	<0.5	<0.5	0	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	0.8	46	-	-	-	-	-	-	-	-	-	
Phenanthrene	mg/kg	0.5	<0.5	0.6	18	-	-	-	-	-	-	-	-	-	
Pyrene	mg/kg	0.5	<0.5	1.6	105	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	1.7	96	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	2.0	50	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	1.4	95	-	-	-	-	-	-	-	-	-	
PAHs (Sum of total)	mg/kg	0.5	0.5	8.8	178	-	-	-	-	-	-	-	-	-	
Organochlorine Pesticides															
Organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	0.12	-	-	
Other organochlorine pesticides EPAVic	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-	
4,4-DDE	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	0.12	-	-	
a-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Aldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Aldrin + Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
b-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Chlordane	mg/kg	0.05	<1	<0.05	0	<0.1	<0.1	0	<0.1	<0.05	0	<0.1	-	-	
Chlordane (cis)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
DDD	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
DDT	mg/kg	0.05	<0.5	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.05	-	-	
DDT+DDE+DDD	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	0.12	-	-	
Dieldrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endosulfan	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endosulfan II	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endosulfan sulphate	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endrin	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endrin aldehyde	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Endrin ketone	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
g-BHC (Lindane)	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Heptachlor	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Heptachlor epoxide	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Hexachlorobenzene	mg/kg	0.05	<0.5	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	-	-	
Methoxychlor	mg/kg	0.05	<0.5	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	<0.05	-	-	
Toxaphene	mg/kg	0.5	<10	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	-	-	
Organophosphorous Pesticides															
Tokuthion	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	
Azinophos methyl	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Bolstar (Sulprofos)	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	
Bromophos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Chlorpyrifos	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Chlorpyrifos-methyl	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Coumaphos	mg/kg	0.002	<5	-	-	<2	<2	0	<2	-	-	<2	-	-	
Demeton-O	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	
Demeton-S	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	
Diazinon	mg/kg	0.002	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Dichlorvos	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Dimethoate	mg/kg	0.004	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	
Disulfoton	mg/kg	0.01	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-	
Ethion	mg/kg	0.05	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-	

		Field ID	STP43/0.1	QA05a		STP49/0.1	QA06		STP49/0.1	QA06a		STP01/0.1	QA07	
		Date	06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		06 Feb 2024	06 Feb 2024		07 Feb 2024	07 Feb 2024	
		Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Ethoprop	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Fenitrothion	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Fensulfothion	mg/kg	0.005	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Fenthion	mg/kg	0.01	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-
EPN	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Malathion	mg/kg	0.005	<0.5	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	-	-
Merphos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Methyl parathion	mg/kg	0.2	<0.5	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	-	-
Mevinphos (Phosdrin)	mg/kg	0.005	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Monocrotophos	mg/kg	0.005	<5	<0.2	0	<2	<2	0	<2	<0.2	0	<2	-	-
Naled (Dibrom)	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Omethoate	mg/kg	0.002	<5	-	-	<2	<2	0	<2	-	-	<2	-	-
Parathion	mg/kg	0.05	<0.5	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	-	-
Phorate	mg/kg	0.02	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Pirimiphos-methyl	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Prothiofos	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Ronnel	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Terbufos	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Trichloronate	mg/kg	0.2	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Tetrachlorvinphos	mg/kg	0.002	<0.5	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	-	-
Acid Sulphate Soils														
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-	4.0	4.0	0
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides														
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Fenamiphos	mg/kg	0.002	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Arochlor 1016	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1221	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1232	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1242	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1248	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1254	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
Arochlor 1260	mg/kg	0.1	<1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	-	-
PCBs (Sum of total)	mg/kg	0.1	<1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	-	-
Phenols														
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	-	-
Picloram	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.02	-	-	-	-

**RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

		Field ID	STP01/0.1	QA07a		STP06/0.1	QA08		STP06/0.1	QA08a		SHA13/0.1	QA09	
		Date	07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		08 Feb 2024	08 Feb 2024	
		Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Inorganics														
Conductivity (1:5 aqueous extract)	µS/cm	10	<10	-	-	<10	13	26	<10	-	-	-	-	-
Electrical Conductivity (Lab)	µS/cm	1	-	34	-	-	-	-	-	36	-	-	-	-
Moisture Content (dried @ 103°C)	%	1	16	-	-	21	18	15	21	-	-	13	8.6	41
Metals														
Arsenic	mg/kg	2	11	-	-	5.5	-	-	5.5	-	-	5.8	-	-
Cadmium	mg/kg	0.4	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI)	mg/kg	2	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	5	37	-	-	25	-	-	25	-	-	20	-	-
Mercury	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	2	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-
TRH														
C6-C10 Fraction (F1)	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
C6-C10 (F1 minus BTEX)	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
>C16-C34 Fraction (F3)	mg/kg	100	-	-	-	-	-	-	-	-	-	-	-	-
>C34-C40 Fraction (F4)	mg/kg	100	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C40 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
TPH														
C6-C9 Fraction	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
C10-C14 Fraction	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
C15-C28 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
C29-C36 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
C10-C36 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
BTEXN														
Naphthalene (VOC)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (o)	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene Total	mg/kg	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Total BTEX	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
MAH														
Total MAH	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Other														
Actril (loxynil)	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Triazophos	mg/kg	0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-
PFAS														
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	<5	-	-	<5	<5	0	<5	-	-	-	-	-
Sum of PFHxS and PFOS	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	0.0006	0	-	-	-
Sum of PFAS	mg/kg	0.0002	<0.05	<0.0002	0	<0.05	<0.05	0	<0.05	0.0006	0	-	-	-
Sum of PFAS (WA DER List)	mg/kg	0.0002	<0.01	<0.0002	0	<0.01	<0.01	0	<0.01	0.0006	0	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	0	<0.005	-	-	-	-	-
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	0	<0.005	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids														
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	<0.01	<0.0005	0	<0.01	<0.01	0	<0.01	<0.0005	0	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-
Fungicides														
Benomyl	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Fenarimol	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-	-	<0.004	-	-	-	-
Propiconazole	mg/kg	0.01	-	-	-	-	-	-	-	<0.01	-	-	-	-
Acid Sulphate Soils - Field														
pHF	-	0.1	6.4	6.2	3	6.3	5.5	14	6.3	6.2	2	-	-	-
pHFox	-	0.1	4.7	4.9	4	4.1	4.3	5	4.1	4.4	7	-	-	-
Carbamates														
Methiocarb	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Chlorinated Hydrocarbons														
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Halogenated Benzenes														
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Halogenated Hydrocarbons														
1,2-dibromoethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Iodomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Herbicides														
Metribuzin	mg/kg	0.004	-	-	-	-	-	-	-	<0.004	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
2,4,5-TP (Silvex)	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
Hedonal	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
2,4-Dichlorprop	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	-	-	-	-	-	-	<0.04	-	-	-	-
Ametryn	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Atrazine	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Bromacil	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Clopyralid	mg/kg	0.02	-	-	-	-	-	-	-	<0.04	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Dicamba	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0
Dinoseb	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Diuron	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Fluometuron	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Fluroxypyr	mg/kg	0.02	-	-	-	-	-	-	-	<0.04	-	-	-	-

			Field ID	STP01/0.1	QA07a		STP06/0.1	QA08		STP06/0.1	QA08a		SHA13/0.1	QA09	
			Date	07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		08 Feb 2024	08 Feb 2024	
			Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	<0.004	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0	
Mecoprop	mg/kg	0.02	<0.5	-	-	<0.5	<0.5	0	<0.5	<0.04	0	<0.5	<0.5	0	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	<0.02	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	<0.1	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Triclopyr	mg/kg	0.02	-	-	-	-	-	-	-	<0.04	-	-	-	-	
NA															
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	<0.004	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	<4	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	<1	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-	
Moisture Content	%	0.1	-	15.1	-	-	-	-	-	21.4	-	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	<0.01	-	-	-	-	
Organic															
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-	
Perfluoroalkane Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	<0.005	<0.001	0	<0.005	<0.005	0	<0.005	<0.001	0	-	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoroalkane Sulfonic Acids															
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	<0.005	-	-	<0.005	<0.005	0	<0.005	-	-	-	-	-	
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	0.0006	0	-	-	-	
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	<0.005	<0.0002	0	<0.005	<0.005	0	<0.005	<0.0002	0	-	-	-	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	<0.01	<0.0002	0	<0.01	<0.01	0	<0.01	<0.0002	0	-	-	-	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	<0.01	<0.0002	0	<0.01	<0.01	0	<0.01	<0.0002	0	-	-	-	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	<0.005	<0.0005	0	<0.005	<0.005	0	<0.005	<0.0005	0	-	-	-	
Solvents															
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Acetone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Allyl chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon disulfide	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-	
VOCs															
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
PAH															
Acenaphthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benz(a)anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a) pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b+j)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(g,h,i)perylene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
PAHs (Sum of total)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Organochlorine Pesticides															
Organochlorine pesticides EPAVic	mg/kg	0.1	0.12	-	-	0.1	0.1	0	0.1	-	-	<0.1	<0.1	0	
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0	
4,4-DDE	mg/kg	0.05	0.12	-	-	0.10	0.10	0	0.10	<0.05	67	<0.05	<0.05	0	
a-BHC	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Aldrin	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
b-BHC	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Chlordane	mg/kg	0.05	<0.1	-	-	<0.1	<0.1	0	<0.1	<0.05	0	<0.1	<0.1	0	
Chlordane (cis)	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
DDD	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
DDT	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.2	0	<0.05	<0.05	0	
DDT+DDE+DDD	mg/kg	0.05	0.12	-	-	0.1	0.1	0	0.1	<0.05	67	<0.05	<0.05	0	
Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endosulfan	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endosulfan II	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endosulfan sulphate	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endrin	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endrin aldehyde	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Endrin ketone	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
g-BHC (Lindane)	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Heptachlor	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Heptachlor epoxide	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Hexachlorobenzene	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	
Methoxychlor	mg/kg	0.05	<0.05	-	-	<0.05	<0.05	0	<0.05	<0.2	0	<0.05	<0.05	0	
Toxaphene	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0	
Organophosphorous Pesticides															
Tokuthion	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0	
Azinophos methyl	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.005	0	<0.2	<0.2	0	
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0	
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.005	0	<0.2	<0.2	0	
Chlorpyrifos	mg/kg	0.05	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	<0.2	0	
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	<0.2	0	
Coumaphos	mg/kg	0.002	<2	-	-	<2	<2	0	<2	<0.002	0	<2	<2	0	
Demeton-O	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0	
Demeton-S	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0	
Diazinon	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.002	0	<0.2	<0.2	0	
Dichlorvos	mg/kg	0.05	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	<0.2	0	
Dimethoate	mg/kg	0.004	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.004	0	<0.2	<0.2	0	
Disulfoton	mg/kg	0.01	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.01	0	<0.2	<0.2	0	
Ethion	mg/kg	0.05	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	<0.2	0	

		Field ID	STP01/0.1	QA07a		STP06/0.1	QA08		STP06/0.1	QA08a		SHA13/0.1	QA09	
		Date	07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		07 Feb 2024	07 Feb 2024		08 Feb 2024	08 Feb 2024	
		Lab Report Number	1067428	ES2404961		1067428	1067428		1067428	ES2404961		1067428	1067428	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Ethoprop	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.002	0	<0.2	<0.2	0
Fenitrothion	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.5	0	<0.2	<0.2	0
Fensulfothion	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.005	0	<0.2	<0.2	0
Fenthion	mg/kg	0.01	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.010	0	<0.2	<0.2	0
EPN	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Malathion	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.005	0	<0.2	0.2	0
Merphos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Methyl parathion	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.005	0	<0.2	<0.2	0
Monocrotophos	mg/kg	0.005	<2	-	-	<2	<2	0	<2	<0.005	0	<2	<2	0
Naled (Dibrom)	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Omethoate	mg/kg	0.002	<2	-	-	<2	<2	0	<2	<0.002	0	<2	<2	0
Parathion	mg/kg	0.05	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.05	0	<0.2	<0.2	0
Phorate	mg/kg	0.02	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.02	0	<0.2	<0.2	0
Pirimiphos-methyl	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.002	0	<0.2	<0.2	0
Prothiofos	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Ronnel	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Terbufos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Trichloronate	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	<0.2	<0.2	0
Tetrachlorvinphos	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	<0.002	0	<0.2	<0.2	0
Acid Sulphate Soils														
Reaction Rate	COMMENT	0	4.0	-	-	4.0	3.0	29	4.0	-	-	-	-	-
Reaction Rate	-	1	-	3	-	-	-	-	-	3	-	-	-	-
Pesticides														
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	<0.005	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	<0.01	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	<1	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-
Fenamiphos	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	<0.002	-	-	-	-
PCBs														
Arochlor 1016	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1221	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1232	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1242	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1248	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1254	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
Arochlor 1260	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	<0.1	<0.1	0
PCBs (Sum of total)	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0
Phenols														
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	<0.5	<0.5	0
Picloram	mg/kg	0.02	-	-	-	-	-	-	-	<0.04	-	-	-	-

**RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

		Field ID	SHA13/0.1	QA09a		T-A	QA10		T-A	QA10A		BH30-A	QA12	
		Date	08 Feb 2024	08 Feb 2024		24 Jul 2024	24 Jul 2024		24 Jul 2024	24 Jul 2024		26 Jul 2024	26 Jul 2024	
		Lab Report Number	1067428	ES2404961		1123575	1123575		1123575	ES2425382		1123575	1123575	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Inorganics														
Conductivity (1:5 aqueous extract)	µS/cm	10	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (Lab)	µS/cm	1	-	-	-	-	-	-	-	-	-	-	-	-
Moisture Content (dried @ 103°C)	%	1	13	-	-	25	32	25	25	-	-	20	20	0
Metals														
Arsenic	mg/kg	2	5.8	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/kg	0.4	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI)	mg/kg	2	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/kg	5	20	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/kg	2	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/kg	5	-	-	-	-	-	-	-	-	-	160	130	21
TRH														
C6-C10 Fraction (F1)	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
C6-C10 (F1 minus BTEX)	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
>C16-C34 Fraction (F3)	mg/kg	100	-	-	-	-	-	-	-	-	-	-	-	-
>C34-C40 Fraction (F4)	mg/kg	100	-	-	-	-	-	-	-	-	-	-	-	-
>C10-C40 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
TPH														
C6-C9 Fraction	mg/kg	10	-	-	-	-	-	-	-	-	-	-	-	-
C10-C14 Fraction	mg/kg	20	-	-	-	-	-	-	-	-	-	-	-	-
C15-C28 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
C29-C36 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
C10-C36 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	-	-	-
BTEXN														
Naphthalene (VOC)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (m & p)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (o)	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Xylene Total	mg/kg	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Total BTEX	mg/kg	0.2	-	-	-	-	-	-	-	-	-	-	-	-
MAH														
Total MAH	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Other														
Actril (loxynil)	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Triazophos	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-
PFAS														
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFHxS and PFOS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS (WA DER List)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids														
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-
Fungicides														
Benomyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Fenarimol	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-
Propiconazole	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Acid Sulphate Soils - Field														
pHF	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-
pHFox	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Carbamates														
Methiocarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Hydrocarbons														
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorodibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Halogenated Benzenes														
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
4-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Halogenated Hydrocarbons														
1,2-dibromoethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Iodomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Herbicides														
Metribuzin	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
2,4,5-TP (Silvex)	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
Hedonal	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
2,4-Dichlorprop	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.04	-	-	-	-
Ametryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Bromacil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Clopyralid	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.04	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Dicamba	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-
Dinoseb	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-
Diuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Fluometuron	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Fluroxypyr	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.04	-	-	-	-

			Field ID	SHA13/0.1	QA09a		T-A	QA10		T-A	QA10A		BH30-A	QA12	
			Date	08 Feb 2024	08 Feb 2024		24 Jul 2024	24 Jul 2024		24 Jul 2024	24 Jul 2024		26 Jul 2024	26 Jul 2024	
			Lab Report Number	1067428	ES2404961		1123575	1123575		1123575	ES2425382		1123575	1123575	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-	
Mecoprop	mg/kg	0.02	<0.5	<0.02	0	<0.5	<0.5	0	<0.5	<0.04	0	-	-	-	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Triclopyr	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.04	-	-	-	-	
NA															
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture Content	%	0.1	-	14.7	-	-	-	-	-	28.5	-	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Organic															
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Sulfonic Acids															
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Solvents															
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Acetone	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Allyl chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon disulfide	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-	
VOCs															
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
PAH															
Acenaphthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benz(a)anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a) pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b+j)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(g,h,i)perylene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
PAHs (Sum of total)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Organochlorine Pesticides															
Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Chlordane	mg/kg	0.05	<0.1	<0.05	0	<0.1	<0.1	0	<0.1	<0.05	0	-	-	-	
Chlordane (cis)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
DDT	mg/kg	0.05	<0.05	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	-	-	-	
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Methoxychlor	mg/kg	0.05	<0.05	<0.2	0	<0.05	<0.05	0	<0.05	<0.2	0	-	-	-	
Toxaphene	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Organophosphorous Pesticides															
Tokuthion	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Azinophos methyl	mg/kg	0.005	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Bromophos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Chlorpyrifos	mg/kg	0.05	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Coumaphos	mg/kg	0.002	<2	-	-	<2	<2	0	<2	-	-	-	-	-	
Demeton-O	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Demeton-S	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Diazinon	mg/kg	0.002	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Dichlorvos	mg/kg	0.05	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Dimethoate	mg/kg	0.004	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Disulfoton	mg/kg	0.01	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Ethion	mg/kg	0.05	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	

		Field ID	SHA13/0.1	QA09a		T-A	QA10		T-A	QA10A		BH30-A	QA12	
		Date	08 Feb 2024	08 Feb 2024		24 Jul 2024	24 Jul 2024		24 Jul 2024	24 Jul 2024		26 Jul 2024	26 Jul 2024	
		Lab Report Number	1067428	ES2404961		1123575	1123575		1123575	ES2425382		1123575	1123575	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL												
Ethoprop	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Fenitrothion	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Fensulfothion	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Fenthion	mg/kg	0.01	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-
EPN	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Malathion	mg/kg	0.005	<0.2	<0.05	0	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-
Merphos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	-	-	-
Mevinphos (Phosdrin)	mg/kg	0.005	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Monocrotophos	mg/kg	0.005	<2	<0.2	0	<2	<2	0	<2	<0.2	0	-	-	-
Naled (Dibrom)	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Omethoate	mg/kg	0.002	<2	-	-	<2	<2	0	<2	-	-	-	-	-
Parathion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	-	-	-
Phorate	mg/kg	0.02	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Pirimiphos-methyl	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Prothiofos	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Pyrazophos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Ronnel	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Terbufos	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Trichloronate	mg/kg	0.2	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Tetrachlorvinphos	mg/kg	0.002	<0.2	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-
Acid Sulphate Soils														
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-	-	-	-
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides														
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Fenamiphos	mg/kg	0.002	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Arochlor 1016	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1221	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1232	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1242	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1248	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1254	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
Arochlor 1260	mg/kg	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	-	-	-	-	-	-	-	-	-
Phenols														
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-
Picloram	mg/kg	0.02	-	<0.02	-	-	-	-	-	<0.04	-	-	-	-

*RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

		Field ID	BH30-A	QA12A		HA-D/0.1-0.2	QA14		HA-D/0.1-0.2	QA14A		SHA01-0.3	QA13		
		Date	26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		
		Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382		1123575	1123575		
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	
	Unit	EQL													
Inorganics															
Conductivity (1:5 aqueous extract)	µS/cm	10	-	-	-	-	-	-	-	-	-	-	-	-	
Electrical Conductivity (Lab)	µS/cm	1	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture Content (dried @ 103°C)	%	1	20	-	-	15	15	0	15	-	-	19	22	15	
Metals															
Arsenic	mg/kg	2	-	-	-	6.7	7.1	6	6.7	6	11	-	-	-	
Cadmium	mg/kg	0.4	-	-	-	<0.4	<0.4	0	<0.4	<1	0	-	-	-	
Chromium (III+VI)	mg/kg	2	-	-	-	29	26	11	29	22	27	-	-	-	
Copper	mg/kg	5	-	-	-	58	58	0	58	50	15	-	-	-	
Lead	mg/kg	5	-	-	-	32	37	14	32	30	6	-	-	-	
Mercury	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.1	0	-	-	-	
Nickel	mg/kg	2	-	-	-	17	14	19	17	13	27	-	-	-	
Zinc	mg/kg	5	160	115	33	130	160	21	130	127	2	69	120	54	
TRH															
C6-C10 Fraction (F1)	mg/kg	10	-	-	-	<20	<20	0	<20	<10	0	-	-	-	
C6-C10 (F1 minus BTEX)	mg/kg	10	-	-	-	<20	<20	0	<20	<10	0	-	-	-	
>C10-C16 Fraction (F2)	mg/kg	50	-	-	-	<50	<50	0	<50	<50	0	-	-	-	
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	-	-	-	<50	<50	0	<50	<50	0	-	-	-	
>C16-C34 Fraction (F3)	mg/kg	100	-	-	-	<100	<100	0	<100	<100	0	-	-	-	
>C34-C40 Fraction (F4)	mg/kg	100	-	-	-	<100	<100	0	<100	<100	0	-	-	-	
>C10-C40 Fraction (Sum)	mg/kg	50	-	-	-	<100	<100	0	<100	<50	0	-	-	-	
TPH															
C6-C9 Fraction	mg/kg	10	-	-	-	<20	<20	0	<20	<10	0	-	-	-	
C10-C14 Fraction	mg/kg	20	-	-	-	<20	<20	0	<20	<50	0	-	-	-	
C15-C28 Fraction	mg/kg	50	-	-	-	<50	<50	0	<50	<100	0	-	-	-	
C29-C36 Fraction	mg/kg	50	-	-	-	<50	<50	0	<50	<100	0	-	-	-	
C10-C36 Fraction (Sum)	mg/kg	50	-	-	-	<50	<50	0	<50	<50	0	-	-	-	
BTEXN															
Naphthalene (VOC)	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<1	0	-	-	-	
Naphthalene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzene	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.2	0	-	-	-	
Toluene	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.5	0	-	-	-	
Ethylbenzene	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.5	0	-	-	-	
Xylene (m & p)	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	<0.5	0	-	-	-	
Xylene (o)	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.5	0	-	-	-	
Xylene Total	mg/kg	0.3	-	-	-	<0.3	<0.3	0	<0.3	<0.5	0	-	-	-	
Total BTEX	mg/kg	0.2	-	-	-	-	-	-	-	<0.2	-	-	-	-	
MAH															
Total MAH	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Isopropylbenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
Styrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
Other															
Actril (loxynil)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Triazophos	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS															
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	-	-	-	-	-	-	-	-	-	-	-	-	
Sum of PFHxS and PFOS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Sum of PFAS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Sum of PFAS (WA DER List)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
(n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Fungicides															
Benomyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Fenarimol	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
Propiconazole	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Acid Sulphate Soils - Field															
pHF	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
pHFox	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
Carbamates															
Methiocarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorinated Hydrocarbons															
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1-dichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
1,2-dichloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,2-dichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,3-dichloropropane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
Bromochloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Bromodichloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Bromoform	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Carbon tetrachloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Chlorodibromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Chloroethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Chloroform	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Chloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Dibromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Dichloromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
Trichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Tetrachloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Vinyl chloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Halogenated Benzenes															
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
4-chlorotoluene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Bromobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Chlorobenzene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Halogenated Hydrocarbons															
1,2-dibromoethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Bromomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Iodomethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Trichlorofluoromethane	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Herbicides															
Metribuzin	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,5-TP (Silvex)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Hedonal	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dichlorprop	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Ametryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Atrazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Bromacil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Clopyralid	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Dicamba	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Dinoseb	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Diuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Fluometuron	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Fluroxypyr	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	

			Field ID	BH30-A	QA12A		HA-D/0.1-0.2	QA14		HA-D/0.1-0.2	QA14A		SHA01-0.3	QA13	
			Date	26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024	
			Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382		1123575	1123575	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL													
Hexazinone	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Mecoprop	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Metolachlor	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Molinate	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
Prometryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Propazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Simazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Terbutryn	mg/kg	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Triclopyr	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	
NA															
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-	-	-	-	-	-	-	
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Hexaconazole*	µg/kg	4	-	-	-	-	-	-	-	-	-	-	-	-	
Irgarol	µg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Moisture Content	%	0.1	-	20.7	-	-	-	-	-	-	15.0	-	-	-	
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Organic															
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkane Sulfonic Acids															
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	-	-	-	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	
Solvents															
Methyl Ethyl Ketone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
2-hexanone (MBK)	mg/kg	5	-	-	-	-	-	-	-	<5	-	-	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<5	0	-	-	-	
Acetone	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Allyl chloride	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Carbon disulfide	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Vinyl acetate	mg/kg	5	-	-	-	-	-	-	-	<5	-	-	-	-	
VOCs															
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
Pentachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	<0.5	-	-	-	-	
PAH															
Acenaphthene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Acenaphthylene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Anthracene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benz(a)anthracene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzo(a) pyrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzo(b+j)fluoranthene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzo(g,h,i)perylene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzo(k)fluoranthene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Chrysene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Dibenz(a,h)anthracene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Fluoranthene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Fluorene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Phenanthrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Pyrene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	-	-	-	0.6	0.6	0	0.6	0.6	0	-	-	-	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	-	-	-	1.2	1.2	0	1.2	1.2	0	-	-	-	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
PAHs (Sum of total)	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	<0.5	0	-	-	-	
Organochlorine Pesticides															
Organochlorine pesticides EPAVic	mg/kg	0.1	-	-	-	0.12	0.2	50	0.12	-	-	-	-	-	
Other organochlorine pesticides EPAVic	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
4,4-DDE	mg/kg	0.05	-	-	-	0.12	0.14	15	0.12	0.08	40	-	-	-	
a-BHC	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Aldrin	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Aldrin + Dieldrin	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
b-BHC	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Chlordane	mg/kg	0.05	-	-	-	<0.1	<0.1	0	<0.1	<0.05	0	-	-	-	
Chlordane (cis)	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Chlordane (trans)	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
d-BHC	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
DDD	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
DDT	mg/kg	0.05	-	-	-	<0.05	0.06	18	<0.05	<0.2	0	-	-	-	
DDT+DDE+DDD	mg/kg	0.05	-	-	-	0.12	0.2	50	0.12	0.08	40	-	-	-	
Dieldrin	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Endosulfan I	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan II	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endosulfan sulphate	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin aldehyde	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Endrin ketone	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
g-BHC (Lindane)	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Heptachlor	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Heptachlor epoxide	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Hexachlorobenzene	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.05	0	-	-	-	
Methoxychlor	mg/kg	0.05	-	-	-	<0.05	<0.05	0	<0.05	<0.2	0	-	-	-	
Toxaphene	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	-	-	-	
Organophosphorous Pesticides															
Tokuthion	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Azinophos methyl	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Bolstar (Sulprofos)	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Carbophenothion	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorfenvinphos	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Chlorpyrifos	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Chlorpyrifos-methyl	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Coumaphos	mg/kg	0.002	-	-	-	<2	<2	0	<2	-	-	-	-	-	
Demeton-O	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Demeton-S	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Diazinon	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Dichlorvos	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Dimethoate	mg/kg	0.004	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Disulfoton	mg/kg	0.01	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Ethion	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	

		Field ID	BH30-A	QA12A		HA-D/0.1-0.2	QA14		HA-D/0.1-0.2	QA14A		SHA01-0.3	QA13		
		Date	26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		26 Jul 2024	26 Jul 2024		
		Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382		1123575	1123575		
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD	
	Unit	EQL													
Ethoprop	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Fenitrothion	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Fensulfothion	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Fenthion	mg/kg	0.01	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
EPN	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Malathion	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0	-	-	-	
Merphos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Methyl parathion	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	<0.2	0	-	-	-	
Mevinphos (Phosdrin)	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Monocrotophos	mg/kg	0.005	-	-	-	<2	<2	0	<2	<0.2	0	-	-	-	
Naled (Dibrom)	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Omethoate	mg/kg	0.002	-	-	-	<2	<2	0	<2	-	-	-	-	-	
Parathion	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.2	0	-	-	-	
Phorate	mg/kg	0.02	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Pirimiphos-methyl	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Prothiofos	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Pyrazophos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Ronnel	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Terbufos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Trichloronate	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Tetrachlorvinphos	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-	-	-	-	
Acid Sulphate Soils															
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-	-	-	-	
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pesticides															
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-	-	-	-	
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-	-	-	-	
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-	-	-	-	
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Fenamiphos	mg/kg	0.002	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-	-	-	-	
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-	-	-	-	
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs															
Arochlor 1016	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1221	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1232	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1242	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1248	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1254	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
Arochlor 1260	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	-	-	-	-	-	
PCBs (Sum of total)	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.1	0	-	-	-	
Phenols															
4,6-Dinitro-2-methylphenol	mg/kg	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Picloram	mg/kg	0.02	-	-	-	-	-	-	-	-	-	-	-	-	

**RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

			Field ID	SHA01-0.3	QA13A		HA-J/0.1	QA15		HA-J/0.1	QA15A	
			Date	26 Jul 2024	26 Jul 2024		29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024	
			Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL										
Inorganics												
Conductivity (1:5 aqueous extract)	µS/cm	10	-	-	-	-	-	-	-	-	-	
Electrical Conductivity (Lab)	µS/cm	1	-	-	-	-	-	-	-	-	-	
Moisture Content (dried @ 103°C)	%	1	19	-	-	18	49	93	18	-	-	
Metals												
Arsenic	mg/kg	2	-	-	-	8.8	11	22	8.8	8	10	
Cadmium	mg/kg	0.4	-	-	-	<0.4	<0.4	0	<0.4	<1	0	
Chromium (III+VI)	mg/kg	2	-	-	-	22	27	20	22	20	10	
Copper	mg/kg	5	-	-	-	25	51	68	25	31	21	
Lead	mg/kg	5	-	-	-	28	35	22	28	25	11	
Mercury	mg/kg	0.1	-	-	-	<0.1	<0.1	0	<0.1	<0.1	0	
Nickel	mg/kg	2	-	-	-	11	18	48	11	11	0	
Zinc	mg/kg	5	69	117	52	53	110	70	53	73	32	
TRH												
C6-C10 Fraction (F1)	mg/kg	10	-	-	-	-	-	-	-	-	-	
C6-C10 (F1 minus BTEX)	mg/kg	10	-	-	-	-	-	-	-	-	-	
>C10-C16 Fraction (F2)	mg/kg	50	-	-	-	-	-	-	-	-	-	
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	-	-	-	-	-	-	-	-	-	
>C16-C34 Fraction (F3)	mg/kg	100	-	-	-	-	-	-	-	-	-	
>C34-C40 Fraction (F4)	mg/kg	100	-	-	-	-	-	-	-	-	-	
>C10-C40 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	
TPH												
C6-C9 Fraction	mg/kg	10	-	-	-	-	-	-	-	-	-	
C10-C14 Fraction	mg/kg	20	-	-	-	-	-	-	-	-	-	
C15-C28 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	
C29-C36 Fraction	mg/kg	50	-	-	-	-	-	-	-	-	-	
C10-C36 Fraction (Sum)	mg/kg	50	-	-	-	-	-	-	-	-	-	
BTEXN												
Naphthalene (VOC)	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Naphthalene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Benzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	
Toluene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	
Ethylbenzene	mg/kg	0.1	-	-	-	-	-	-	-	-	-	
Xylene (m & p)	mg/kg	0.2	-	-	-	-	-	-	-	-	-	
Xylene (o)	mg/kg	0.1	-	-	-	-	-	-	-	-	-	
Xylene Total	mg/kg	0.3	-	-	-	-	-	-	-	-	-	
Total BTEX	mg/kg	0.2	-	-	-	-	-	-	-	-	-	
MAH												
Total MAH	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2,4-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,3,5-trimethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Isopropylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
n-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
n-propylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
sec-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Styrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
tert-butylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Other												
Actril (loxynil)	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Triazophos	mg/kg	0.001	-	-	-	-	-	-	-	-	-	
PFAS												
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	-	-	-	-	-	-	-	-	-	
Sum of PFHxS and PFOS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Sum of PFAS	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Sum of PFAS (WA DER List)	mg/kg	0.0002	-	-	-	-	-	-	-	-	-	
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
(n:2) Fluorotelomer Sulfonic Acids												
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-	-	-	-	
Fungicides												
Benomyl	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Fenarimol	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-	-	-	-	
Propiconazole	mg/kg	0.01	-	-	-	-	-	-	-	-	-	
Acid Sulphate Soils - Field												
pHF	-	0.1	-	-	-	-	-	-	-	-	-	
pHFox	-	0.1	-	-	-	-	-	-	-	-	-	
Carbamates												
Methiocarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Chlorinated Hydrocarbons												
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1,1,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1,1-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1,2,2-tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1,2-trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2,3-trichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2-dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,3-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Bromodichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Bromoform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chlorodibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chloroform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
cis-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
cis-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Dibromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Dichloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
trans-1,2-dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
trans-1,3-dichloropropene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Vinyl chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Halogenated Benzenes												
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,2-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,3-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
1,4-dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
2-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
4-chlorotoluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Bromobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Halogenated Hydrocarbons												
1,2-dibromoethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Bromomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Dichlorodifluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Iodomethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	
Herbicides												
Metribuzin	mg/kg	0.004	-	-	-	-	-	-	-	-	-	
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
2,4,5-TP (Silvex)	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
Hedonal	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
2,4-Dichlorprop	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	-	-	-	-	-	-	<0.02	-	
Ametryn	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Atrazine	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Bromacil	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Clopyralid	mg/kg	0.02	-	-	-	-	-	-	-	<0.02	-	
Cyanazine	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Dicamba	mg/kg	0.02	-	-	-	<0.5	<0.5	0	<0.5	<0.02	0	
Dinoseb	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-	
Diuron	mg/kg	0.005	-	-	-	-	-	-	-	-	-	
Fluometuron	mg/kg	0.002	-	-	-	-	-	-	-	-	-	
Fluroxypyr	mg/kg	0.02	-	-	-	-	-	-	-	<0.02	-	

			Field ID	SHA01-0.3	QA13A		HA-J/0.1	QA15		HA-J/0.1	QA15A	
			Date	26 Jul 2024	26 Jul 2024		29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024	
			Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL										
Hexazinone	mg/kg	0.004		-	-	-	-	-	-	-	-	-
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02		-	-	-	<0.5	<0.5	0	<0.5	<0.02	0
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02		-	-	-	<0.5	<0.5	0	<0.5	<0.02	0
Mecoprop	mg/kg	0.02		-	-	-	<0.5	<0.5	0	<0.5	<0.02	0
Metolachlor	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Molinate	mg/kg	0.02		-	-	-	-	-	-	-	-	-
Prometryn	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Propazine	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Simazine	mg/kg	0.005		-	-	-	-	-	-	-	-	-
Tebuthiuron	mg/kg	0.005		-	-	-	-	-	-	-	-	-
Terbutryn	mg/kg	0.1		-	-	-	-	-	-	-	-	-
Thiobencarb	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Triclopyr	mg/kg	0.02		-	-	-	-	-	-	-	<0.02	-
NA												
Cyproconazole	mg/kg	0.004		-	-	-	-	-	-	-	-	-
Cyprodinil	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Hexaconazole*	µg/kg	4		-	-	-	-	-	-	-	-	-
Irgarol	µg/kg	1		-	-	-	-	-	-	-	-	-
Pyrimethanil	mg/kg	0.005		-	-	-	-	-	-	-	-	-
Moisture Content	%	0.1		-	23.2	-	-	-	-	-	20.2	-
Paclobutrazol	mg/kg	0.01		-	-	-	-	-	-	-	-	-
Organic												
Terbutylazine	mg/kg	0.002		-	-	-	-	-	-	-	-	-
Perfluoroalkane Carboxylic Acids												
Perfluorobutanoic acid (PFBA)	mg/kg	0.001		-	-	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoroalkane Sulfonic Acids												
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005		-	-	-	-	-	-	-	-	-
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides												
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002		-	-	-	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005		-	-	-	-	-	-	-	-	-
Solvents												
Methyl Ethyl Ketone	mg/kg	0.5		-	-	-	-	-	-	-	-	-
2-hexanone (MBK)	mg/kg	5		-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Acetone	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Allyl chloride	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Vinyl acetate	mg/kg	5		-	-	-	-	-	-	-	-	-
VOCs												
cis-1,4-Dichloro-2-butene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Pentachloroethane	mg/kg	0.5		-	-	-	-	-	-	-	-	-
PAH												
Acenaphthene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Acenaphthylene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Anthracene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benz(a)anthracene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(a) pyrene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(b+j)fluoranthene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Chrysene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Fluoranthene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Fluorene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Phenanthrene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Pyrene	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5		-	-	-	-	-	-	-	-	-
PAHs (Sum of total)	mg/kg	0.5		-	-	-	-	-	-	-	-	-
Organochlorine Pesticides												
Organochlorine pesticides EPAVic	mg/kg	0.1		-	-	-	<0.1	<0.1	0	<0.1	-	-
Other organochlorine pesticides EPAVic	mg/kg	0.1		-	-	-	<0.1	<0.1	0	<0.1	-	-
4,4-DDE	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
a-BHC	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Aldrin	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
b-BHC	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Chlordane	mg/kg	0.05		-	-	-	<0.1	<0.1	0	<0.1	<0.05	0
Chlordane (cis)	mg/kg	0.05		-	-	-	-	-	-	-	<0.05	-
Chlordane (trans)	mg/kg	0.05		-	-	-	-	-	-	-	<0.05	-
d-BHC	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
DDD	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
DDT	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.2	0
DDT+DDE+DDD	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Dieldrin	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan	mg/kg	0.05		-	-	-	-	-	-	-	<0.05	-
Endosulfan I	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan II	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan sulphate	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endrin	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endrin aldehyde	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Endrin ketone	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
g-BHC (Lindane)	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor epoxide	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Hexachlorobenzene	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.05	0
Methoxychlor	mg/kg	0.05		-	-	-	<0.05	<0.05	0	<0.05	<0.2	0
Toxaphene	mg/kg	0.5		-	-	-	<0.5	<0.5	0	<0.5	-	-
Organophosphorous Pesticides												
Tokuthion	mg/kg	0.2		-	-	-	<0.2	<0.2	0	<0.2	-	-
Azinophos methyl	mg/kg	0.005		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2		-	-	-	<0.2	<0.2	0	<0.2	-	-
Bromophos-ethyl	mg/kg	0.05		-	-	-	-	-	-	-	<0.05	-
Carbophenothion	mg/kg	0.05		-	-	-	-	-	-	-	<0.05	-
Azinphos Ethyl	mg/kg	0.005		-	-	-	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.005		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos	mg/kg	0.05		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.05		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Coumaphos	mg/kg	0.002		-	-	-	<2	<2	0	<2	-	-
Demeton-O	mg/kg	0.2		-	-	-	<0.2	<0.2	0	<0.2	-	-
Demeton-S	mg/kg	0.2		-	-	-	<0.2	<0.2	0	<0.2	-	-
Diazinon	mg/kg	0.002		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Dichlorvos	mg/kg	0.05		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Dimethoate	mg/kg	0.004		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Disulfoton	mg/kg	0.01		-	-	-	<0.2	<0.2	0	<0.2	-	-
Ethion	mg/kg	0.05		-	-	-	<0.2	<0.2	0	<0.2	<0.05	0

		Field ID	SHA01-0.3	QA13A		HA-J/0.1	QA15		HA-J/0.1	QA15A	
		Date	26 Jul 2024	26 Jul 2024		29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024	
		Lab Report Number	1123575	ES2425382		1123575	1123575		1123575	ES2425382	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL									
Ethoprop	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-
Fenitrothion	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Fensulfothion	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	-	-
Fenthion	mg/kg	0.01	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
EPN	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Malathion	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	<0.05	0
Merphos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Methyl parathion	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	<0.2	0
Mevinphos (Phosdrin)	mg/kg	0.005	-	-	-	<0.2	<0.2	0	<0.2	-	-
Monocrotophos	mg/kg	0.005	-	-	-	<2	<2	0	<2	<0.2	0
Naled (Dibrom)	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Omethoate	mg/kg	0.002	-	-	-	<2	<2	0	<2	-	-
Parathion	mg/kg	0.05	-	-	-	<0.2	<0.2	0	<0.2	<0.2	0
Phorate	mg/kg	0.02	-	-	-	<0.2	<0.2	0	<0.2	-	-
Pirimiphos-methyl	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-
Prothiofos	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-
Pyrazophos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Ronnel	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Terbufos	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Trichloronate	mg/kg	0.2	-	-	-	<0.2	<0.2	0	<0.2	-	-
Tetrachlorvinphos	mg/kg	0.002	-	-	-	<0.2	<0.2	0	<0.2	-	-
Acid Sulphate Soils											
Reaction Rate	COMMENT	0	-	-	-	-	-	-	-	-	-
Reaction Rate	-	1	-	-	-	-	-	-	-	-	-
Pesticides											
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	-	-	-
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	-	-	-
Bendiocarb	mg/kg	1	-	-	-	-	-	-	-	-	-
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-
Fenamiphos	mg/kg	0.002	-	-	-	-	-	-	-	<0.05	-
Methomyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	-	-	-
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	-	-	-	<0.05	-
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	-	-	-
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	-	-	-
PCBs											
Arochlor 1016	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1221	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1232	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1242	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1248	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1254	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Arochlor 1260	mg/kg	0.1	-	-	-	-	-	-	-	-	-
PCBs (Sum of total)	mg/kg	0.1	-	-	-	-	-	-	-	-	-
Phenols											
4,6-Dinitro-2-methylphenol	mg/kg	0.5	-	-	-	<0.5	<0.5	0	<0.5	-	-
Picloram	mg/kg	0.02	-	-	-	-	-	-	-	<0.02	-

**RPDs have only been considered where a concentration is greater than 1 times the
**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for
***Interlab Duplicates are matched on a per compound basis as methods vary betw

			Field ID	HA-K/0.0	QA16		HA-K/0.0	QA16A	
			Date	29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024	
			Lab Report Number	1123575	1123575		1123575	ES2425382	
			Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL							
Inorganics									
Conductivity (1:5 aqueous extract)	µS/cm	10	-	-	-	-	-	-
Electrical Conductivity (Lab)	µS/cm	1	-	-	-	-	-	-
Moisture Content (dried @ 103°C)	%	1	24	23	4	24	-	-
Metals								
Arsenic	mg/kg	2	5.8	6.4	10	5.8	6	3
Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<1	0
Chromium (III+VI)	mg/kg	2	20	19	5	20	18	11
Copper	mg/kg	5	30	31	3	30	32	6
Lead	mg/kg	5	20	20	0	20	19	5
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Nickel	mg/kg	2	13	12	8	13	12	8
Zinc	mg/kg	5	65	67	3	65	64	2
TRH								
C6-C10 Fraction (F1)	mg/kg	10	<20	<20	0	<20	<10	0
C6-C10 (F1 minus BTEX)	mg/kg	10	<20	<20	0	<20	<10	0
>C10-C16 Fraction (F2)	mg/kg	50	<50	<50	0	<50	<50	0
>C10-C16 Fraction (F2 minus Naphthalene)	mg/kg	50	<50	<50	0	<50	<50	0
>C16-C34 Fraction (F3)	mg/kg	100	<100	<100	0	<100	<100	0
>C34-C40 Fraction (F4)	mg/kg	100	<100	<100	0	<100	<100	0
>C10-C40 Fraction (Sum)	mg/kg	50	<100	<100	0	<100	<50	0
TPH								
C6-C9 Fraction	mg/kg	10	<20	<20	0	<20	<10	0
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	50	<50	<50	0	<50	<100	0
C29-C36 Fraction	mg/kg	50	<50	<50	0	<50	<100	0
C10-C36 Fraction (Sum)	mg/kg	50	<50	<50	0	<50	<50	0
BTEXN								
Naphthalene (VOC)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<1	0
Naphthalene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	<0.5	0
Total BTEX	mg/kg	0.2	-	-	-	-	<0.2	-
MAH								
Total MAH	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Isopropylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
n-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
n-propylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
p-isopropyltoluene	mg/kg	0.5	-	-	-	-	<0.5	-
sec-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
Styrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
tert-butylbenzene	mg/kg	0.5	-	-	-	-	<0.5	-
Other								
Actril (loxynil)	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Tebuconazole	mg/kg	0.002	-	-	-	-	-	-
Triazophos	mg/kg	0.001	-	-	-	-	-	-
PFAS								
Perfluorononanesulfonic acid (PFNS)	µg/kg	5	-	-	-	-	-	-
Sum of PFHxS and PFOS	mg/kg	0.0002	-	-	-	-	-	-
Sum of PFAS	mg/kg	0.0002	-	-	-	-	-	-
Sum of PFAS (WA DER List)	mg/kg	0.0002	-	-	-	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-
Sum of PFAS (PFOS + PFOA)	mg/kg	0.005	-	-	-	-	-	-
(n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0005	-	-	-	-	-	-
Fungicides								
Benomyl	mg/kg	0.005	-	-	-	-	-	-
Fenarimol	mg/kg	0.005	-	-	-	-	-	-
Flusilazole (NuStar)	mg/kg	0.004	-	-	-	-	-	-
Propiconazole	mg/kg	0.01	-	-	-	-	-	-
Acid Sulphate Soils - Field								
pHF	-	0.1	-	-	-	-	-	-
pHFox	-	0.1	-	-	-	-	-	-
Carbamates								
Methiocarb	mg/kg	0.002	-	-	-	-	-	-
Chlorinated Hydrocarbons								
Other chlorinated hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorinated hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1,1-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1,2-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,1-dichloropropene	mg/kg	0.5	-	-	-	-	<0.5	-
1,2,3-trichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,2-dibromo-3-chloropropane	mg/kg	0.5	-	-	-	-	<0.5	-
1,2-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,2-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
2,2-dichloropropane	mg/kg	0.5	-	-	-	-	<0.5	-
Bromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromodichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromoform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Carbon tetrachloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chlorodibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Chloroform	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	<0.5	-
Trichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Tetrachloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Vinyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Halogenated Benzenes								
1,2,3-trichlorobenzene	mg/kg	0.5	-	-	-	-	<0.5	-
1,2,4-trichlorobenzene	mg/kg	0.5	-	-	-	-	<0.5	-
1,2-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
2-chlorotoluene	mg/kg	0.5	-	-	-	-	<0.5	-
4-chlorotoluene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Halogenated Hydrocarbons								
1,2-dibromoethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Bromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Dichlorodifluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Iodomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Trichlorofluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Herbicides								
Metribuzin	mg/kg	0.004	-	-	-	-	-	-
2,4,5-Trichlorophenoxy Acetic Acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
2,4,5-TP (Silvex)	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
Hedonal	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
2,4-Dichlorprop	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
4-Chlorophenoxy acetic acid	mg/kg	0.02	-	-	-	-	-	-
Ametryn	mg/kg	0.002	-	-	-	-	-	-
Atrazine	mg/kg	0.002	-	-	-	-	-	-
Bromacil	mg/kg	0.005	-	-	-	-	-	-
Clopyralid	mg/kg	0.02	-	-	-	-	-	-
Cyanazine	mg/kg	0.005	-	-	-	-	-	-
Dicamba	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
Dinoseb	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Diuron	mg/kg	0.005	-	-	-	-	-	-
Fluometuron	mg/kg	0.002	-	-	-	-	-	-
Fluroxypyr	mg/kg	0.02	-	-	-	-	-	-

		Field ID	HA-K/0.0	QA16		HA-K/0.0	QA16A	
		Date	29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024	
		Lab Report Number	1123575	1123575		1123575	ES2425382	
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD
	Unit	EQL						
Hexazinone	mg/kg	0.004	-	-	-	-	-	-
2-Methyl-4-chlorophenoxyacetic acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
2-Methyl-4-Chlorophenoxy Butanoic Acid	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
Mecoprop	mg/kg	0.02	<0.5	<0.5	0	<0.5	-	-
Metolachlor	mg/kg	0.002	-	-	-	-	-	-
Molinate	mg/kg	0.02	-	-	-	-	-	-
Prometryn	mg/kg	0.002	-	-	-	-	-	-
Propazine	mg/kg	0.002	-	-	-	-	-	-
Simazine	mg/kg	0.005	-	-	-	-	-	-
Tebuthiuron	mg/kg	0.005	-	-	-	-	-	-
Terbutryn	mg/kg	0.1	-	-	-	-	-	-
Thiobencarb	mg/kg	0.002	-	-	-	-	-	-
Triclopyr	mg/kg	0.02	-	-	-	-	-	-
NA								
Cyproconazole	mg/kg	0.004	-	-	-	-	-	-
Cyprodinil	mg/kg	0.002	-	-	-	-	-	-
Hexaconazole*	µg/kg	4	-	-	-	-	-	-
Irgarol	µg/kg	1	-	-	-	-	-	-
Pyrimethanil	mg/kg	0.005	-	-	-	-	-	-
Moisture Content	%	0.1	-	-	-	-	23.4	-
Paclobutrazol	mg/kg	0.01	-	-	-	-	-	-
Organic								
Terbutylazine	mg/kg	0.002	-	-	-	-	-	-
Perfluoroalkane Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	mg/kg	0.001	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoroalkane Sulfonic Acids								
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	-	-	-	-	-	-
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002	-	-	-	-	-	-
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002	-	-	-	-	-	-
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005	-	-	-	-	-	-
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002	-	-	-	-	-	-
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002	-	-	-	-	-	-
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005	-	-	-	-	-	-
Solvents								
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
2-hexanone (MBK)	mg/kg	5	-	-	-	-	<5	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<0.5	0	<0.5	<5	0
Acetone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Allyl chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Vinyl acetate	mg/kg	5	-	-	-	-	<5	-
VOCs								
cis-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	<0.5	-
trans-1,4-Dichloro-2-butene	mg/kg	0.5	-	-	-	-	<0.5	-
Pentachloroethane	mg/kg	0.5	-	-	-	-	<0.5	-
PAH								
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Acenaphthylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Chrysene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Fluoranthene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Fluorene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Phenanthrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Pyrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0
Organochlorine Pesticides								
Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Chlordane	mg/kg	0.05	<0.1	<0.1	0	<0.1	<0.05	0
Chlordane (cis)	mg/kg	0.05	-	-	-	-	<0.05	-
Chlordane (trans)	mg/kg	0.05	-	-	-	-	<0.05	-
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.2	0
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan	mg/kg	0.05	-	-	-	-	<0.05	-
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Heptachlor epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.05	0
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.2	0
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Organophosphorous Pesticides								
Tokuthion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Azinophos methyl	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0
Bolstar (Sulprofos)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Bromophos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-
Carbophenothion	mg/kg	0.05	-	-	-	-	<0.05	-
Azinphos Ethyl	mg/kg	0.005	-	-	-	-	-	-
Chlorfenvinphos	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Chlorpyrifos-methyl	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Coumaphos	mg/kg	0.002	<2	<2	0	<2	-	-
Demeton-O	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Demeton-S	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Diazinon	mg/kg	0.002	<0.2	<0.2	0	<0.2	<0.05	0
Dichlorvos	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0
Dimethoate	mg/kg	0.004	<0.2	<0.2	0	<0.2	<0.05	0
Disulfoton	mg/kg	0.01	<0.2	<0.2	0	<0.2	-	-
Ethion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.05	0

		Field ID	HA-K/0.0	QA16		HA-K/0.0	QA16A		
		Date	29 Jul 2024	29 Jul 2024		29 Jul 2024	29 Jul 2024		
		Lab Report Number	1123575	1123575		1123575	ES2425382		
		Matrix Type	Soil	Soil	RPD	Soil	Soil	RPD	
	Unit	EQL							
Ethoprop	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	
Fenitrothion	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Fensulfothion	mg/kg	0.005	<0.2	<0.2	0	<0.2	-	-	
Fenthion	mg/kg	0.01	<0.2	<0.2	0	<0.2	<0.05	0	
EPN	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Malathion	mg/kg	0.005	<0.2	<0.2	0	<0.2	<0.05	0	
Merphos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Methyl parathion	mg/kg	0.2	<0.2	<0.2	0	<0.2	<0.2	0	
Mevinphos (Phosdrin)	mg/kg	0.005	<0.2	<0.2	0	<0.2	-	-	
Monocrotophos	mg/kg	0.005	<2	<2	0	<2	<0.2	0	
Naled (Dibrom)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Omethoate	mg/kg	0.002	<2	<2	0	<2	-	-	
Parathion	mg/kg	0.05	<0.2	<0.2	0	<0.2	<0.2	0	
Phorate	mg/kg	0.02	<0.2	<0.2	0	<0.2	-	-	
Pirimiphos-methyl	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	
Prothiofos	mg/kg	0.05	-	-	-	-	<0.05	-	
Pyrazophos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Ronnel	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Terbufos	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Trichloronate	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-	
Tetrachlorvinphos	mg/kg	0.002	<0.2	<0.2	0	<0.2	-	-	
Acid Sulphate Soils									
Reaction Rate	COMMENT	0	-	-	-	-	-	-	
Reaction Rate	-	1	-	-	-	-	-	-	
Pesticides									
3-Hydroxy Carbofuran	mg/kg	0.005	-	-	-	-	-	-	
Aldicarb	mg/kg	0.01	-	-	-	-	-	-	
Bendiocarb	mg/kg	1	-	-	-	-	-	-	
Carbaryl	mg/kg	0.002	-	-	-	-	-	-	
Carbofuran	mg/kg	0.002	-	-	-	-	-	-	
Demeton-S-methyl	mg/kg	0.05	-	-	-	-	<0.05	-	
Fenamiphos	mg/kg	0.002	-	-	-	-	<0.05	-	
Methomyl	mg/kg	0.002	-	-	-	-	-	-	
Oxamyl	mg/kg	0.002	-	-	-	-	-	-	
Pirimphos-ethyl	mg/kg	0.05	-	-	-	-	<0.05	-	
Sulfotepp	mg/kg	0.001	-	-	-	-	-	-	
Thiodicarb	mg/kg	0.002	-	-	-	-	-	-	
PCBs									
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0	
Phenols									
4,6-Dinitro-2-methylphenol	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Picloram	mg/kg	0.02	-	-	-	-	-	-	

***RPDs have only been considered where a concentration is greater than 1 times the**
****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for**
*****Interlab Duplicates are matched on a per compound basis as methods vary betw**

		Field ID	SSW01	QA10		SSW01	QA10a		
		Date	08 Feb 2024	08 Feb 2024		08 Feb 2024	08 Feb 2024		
		Lab Report Number	1067428	1067428		1067428	ES2404961		
		Matrix Type	Water	Water	RPD	Water	Water	RPD	
	Unit	EQL							
Inorganics									
Total Phosphorus as P (Organic Phosphate as P)	mg/L	0.01	7.7	7.9	3	7.7	8.16	6	
Nitrite + Nitrate as N	mg/L	0.01	<0.05	<0.05	0	<0.05	0.01	0	
Kjeldahl Nitrogen Total	mg/L	0.1	0.4	3.2	156	0.4	4.6	168	
Nitrate (as N)	mg/L	0.02	<0.02	<0.02	0	<0.02	-	-	
Nitrite (as N)	mg/L	0.02	<0.02	<0.02	0	<0.02	-	-	
Nitrogen (Total)	mg/L	0.1	0.4	3.2	156	0.4	4.6	168	
Metals									
Arsenic	mg/L	0.001	0.002	0.002	0	0.002	0.001	67	
Cadmium	mg/L	0.0001	<0.0002	<0.0002	0	<0.0002	<0.0001	0	
Chromium (III+VI)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0	
Copper	mg/L	0.001	0.003	0.002	40	0.003	0.003	0	
Lead	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0	
Mercury	mg/L	0.0001	<0.0001	<0.0001	0	<0.0001	<0.0001	0	
Nickel	mg/L	0.001	0.002	0.002	0	0.002	0.003	40	
Zinc	mg/L	0.005	0.017	0.016	6	0.017	0.016	6	
TRH									
C6-C10 Fraction (F1)	µg/L	20	<20	<20	0	<20	<20	0	
C6-C10 (F1 minus BTEX)	µg/L	20	<20	<20	0	<20	<20	0	
>C10-C16 Fraction (F2)	µg/L	50	<50	<50	0	<50	<100	0	
>C10-C16 Fraction (F2 minus Naphthalene)	µg/L	50	<50	<50	0	<50	<100	0	
>C16-C34 Fraction (F3)	µg/L	100	<100	<100	0	<100	<100	0	
>C34-C40 Fraction (F4)	µg/L	100	<100	<100	0	<100	<100	0	
>C10-C40 Fraction (Sum)	µg/L	100	<100	<100	0	<100	<100	0	
TPH									
C6-C9 Fraction	µg/L	20	<20	<20	0	<20	<20	0	
C10-C14 Fraction	µg/L	50	<50	<50	0	<50	<50	0	
C15-C28 Fraction	µg/L	100	<100	<100	0	<100	<100	0	
C29-C36 Fraction	µg/L	50	<100	<100	0	<100	<50	0	
C10-C36 Fraction (Sum)	µg/L	50	<100	<100	0	<100	<50	0	
BTEXN									
Naphthalene (VOC)	µg/L	5	<10	<10	0	<10	<5	0	
Naphthalene	µg/L	1	<1	<1	0	<1	<1.0	0	
Benzene	µg/L	1	<1	<1	0	<1	<1	0	
Toluene	µg/L	1	<1	<1	0	<1	<2	0	
Ethylbenzene	µg/L	1	<1	<1	0	<1	<2	0	
Xylene (m & p)	µg/L	2	<2	<2	0	<2	<2	0	
Xylene (o)	µg/L	1	<1	<1	0	<1	<2	0	
Xylene Total	µg/L	2	<3	<3	0	<3	<2	0	
Total BTEX	µg/L	1	-	-	-	-	<1	-	
MAH									
Total MAH	µg/L	3	<3	<3	0	<3	-	-	
1,2,4-trimethylbenzene	µg/L	1	<1	<1	0	<1	<5	0	
1,3,5-trimethylbenzene	µg/L	1	<1	<1	0	<1	<5	0	
Isopropylbenzene	µg/L	1	<1	<1	0	<1	<5	0	
n-butylbenzene	µg/L	5	-	-	-	-	<5	-	
n-propylbenzene	µg/L	5	-	-	-	-	<5	-	
p-isopropyltoluene	µg/L	5	-	-	-	-	<5	-	
sec-butylbenzene	µg/L	5	-	-	-	-	<5	-	
Styrene	µg/L	1	<1	<1	0	<1	<5	0	
tert-butylbenzene	µg/L	5	-	-	-	-	<5	-	
PFAS									
Perfluorononanesulfonic acid (PFNS)	µg/L	0.01	<0.01	<0.01	0	<0.01	-	-	
Sum of PFHxS and PFOS	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0	
Sum of PFAS	µg/L	0.01	0.11	0.13	17	0.11	0.11	0	
Sum of PFAS (WA DER List)	µg/L	0.01	0.11	0.13	17	0.11	0.11	0	
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	µg/L	0.01	<0.01	<0.01	0	<0.01	-	-	
Sum of PFAS (PFOS + PFOA)	µg/L	0.01	<0.01	<0.01	0	<0.01	-	-	
(n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.05	0	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.05	0	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.05	0	
Chlorinated Hydrocarbons									
Other chlorinated hydrocarbons EPAVic	µg/L	5	<5	<5	0	<5	-	-	
Chlorinated hydrocarbons EPAVic	µg/L	5	<5	<5	0	<5	-	-	
1,1,1,2-tetrachloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,1,1-trichloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,1,2,2-tetrachloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,1,2-trichloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,1-dichloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,1-dichloroethene	µg/L	1	<1	<1	0	<1	<5	0	
1,1-dichloropropene	µg/L	5	-	-	-	-	<5	-	
1,2,3-trichloropropane	µg/L	1	<1	<1	0	<1	<5	0	
1,2-dibromo-3-chloropropane	µg/L	5	-	-	-	-	<5	-	
1,2-dichloroethane	µg/L	1	<1	<1	0	<1	<5	0	
1,2-dichloropropane	µg/L	1	<1	<1	0	<1	<5	0	
1,3-dichloropropane	µg/L	1	<1	<1	0	<1	<5	0	
2,2-dichloropropane	µg/L	5	-	-	-	-	<5	-	
Bromochloromethane	µg/L	1	<1	<1	0	<1	-	-	
Bromodichloromethane	µg/L	1	<1	<1	0	<1	<5	0	
Bromoform	µg/L	1	<1	<1	0	<1	<5	0	
Carbon tetrachloride	µg/L	1	<1	<1	0	<1	<5	0	
Chlorodibromomethane	µg/L	1	<1	<1	0	<1	<5	0	
Chloroethane	µg/L	5	<5	<5	0	<5	<50	0	
Chloroform	µg/L	5	<5	<5	0	<5	<5	0	
Chloromethane	µg/L	5	<5	<5	0	<5	<50	0	
cis-1,2-dichloroethene	µg/L	1	<1	<1	0	<1	<5	0	
cis-1,3-dichloropropene	µg/L	1	<1	<1	0	<1	<5	0	

		Field ID	SSW01	QA10		SSW01	QA10a		
		Date	08 Feb 2024	08 Feb 2024		08 Feb 2024	08 Feb 2024		
		Lab Report Number	1067428	1067428		1067428	ES2404961		
		Matrix Type	Water	Water	RPD	Water	Water	RPD	
	Unit	EQL							
Dibromomethane	µg/L	1	<1	<1	0	<1	<5	0	
Dichloromethane	µg/L	5	<5	<5	0	<5	-	-	
Hexachlorobutadiene	µg/L	5	-	-	-	-	<5	-	
Trichloroethene	µg/L	1	<1	<1	0	<1	<5	0	
Tetrachloroethene	µg/L	1	<1	<1	0	<1	<5	0	
trans-1,2-dichloroethene	µg/L	1	<1	<1	0	<1	<5	0	
trans-1,3-dichloropropene	µg/L	1	<1	<1	0	<1	<5	0	
Vinyl chloride	µg/L	5	<5	<5	0	<5	<50	0	
Halogenated Benzenes									
1,2,3-trichlorobenzene	µg/L	5	-	-	-	-	<5	-	
1,2,4-trichlorobenzene	µg/L	5	-	-	-	-	<5	-	
1,2-dichlorobenzene	µg/L	1	<1	<1	0	<1	<5	0	
1,3-dichlorobenzene	µg/L	1	<1	<1	0	<1	<5	0	
1,4-dichlorobenzene	µg/L	1	<1	<1	0	<1	<5	0	
2-chlorotoluene	µg/L	5	-	-	-	-	<5	-	
4-chlorotoluene	µg/L	1	<1	<1	0	<1	<5	0	
Bromobenzene	µg/L	1	<1	<1	0	<1	<5	0	
Chlorobenzene	µg/L	1	<1	<1	0	<1	<5	0	
Halogenated Hydrocarbons									
1,2-dibromoethane	µg/L	1	<1	<1	0	<1	<5	0	
Bromomethane	µg/L	5	<5	<5	0	<5	<50	0	
Dichlorodifluoromethane	µg/L	5	<5	<5	0	<5	<50	0	
Iodomethane	µg/L	1	<1	<1	0	<1	<5	0	
Trichlorofluoromethane	µg/L	5	<5	<5	0	<5	<50	0	
Perfluoroalkane Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.1	0	
Perfluorohexanoic acid (PFHxA)	µg/L	0.01	0.06	0.08	29	0.06	0.06	0	
Perfluoropentanoic acid (PFPeA)	µg/L	0.01	0.05	0.05	0	0.05	0.05	0	
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorooctanoic acid (PFOA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0	
Perfluorodecanoic acid (PFDA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorododecanoic acid (PFDoDA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorononanoic acid (PFNA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.05	0	
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluoroalkane Sulfonic Acids									
Perfluoropropanesulfonic acid (PFPrS)	µg/L	0.01	<0.01	<0.01	0	<0.01	-	-	
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.01	0	
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.01	<0.01	<0.01	0	<0.01	<0.02	0	
Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02	<0.05	<0.05	0	<0.05	<0.02	0	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02	<0.05	<0.05	0	<0.05	<0.02	0	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02	<0.05	<0.05	0	<0.05	<0.02	0	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0	
Solvents									
Methyl Ethyl Ketone	µg/L	5	<5	<5	0	<5	<50	0	
2-hexanone (MBK)	µg/L	50	-	-	-	-	<50	-	
4-Methyl-2-pentanone	µg/L	5	<5	<5	0	<5	<50	0	
Acetone	µg/L	5	<5	<5	0	<5	-	-	
Allyl chloride	µg/L	1	<1	<1	0	<1	-	-	
Carbon disulfide	µg/L	1	<1	<1	0	<1	<5	0	
Vinyl acetate	µg/L	50	-	-	-	-	<50	-	
VOCs									
cis-1,4-Dichloro-2-butene	µg/L	5	-	-	-	-	<5	-	
trans-1,4-Dichloro-2-butene	µg/L	5	-	-	-	-	<5	-	
Pentachloroethane	µg/L	5	-	-	-	-	<5	-	
PAH									
Acenaphthene	µg/L	1	<1	<1	0	<1	<1.0	0	
Acenaphthylene	µg/L	1	<1	<1	0	<1	<1.0	0	
Anthracene	µg/L	1	<1	<1	0	<1	<1.0	0	
Benz(a)anthracene	µg/L	1	<1	<1	0	<1	<1.0	0	
Benzo(a) pyrene	µg/L	0.5	<1	<1	0	<1	<0.5	0	
Benzo(b+j)fluoranthene	µg/L	1	<1	<1	0	<1	<1.0	0	
Benzo(g,h,i)perylene	µg/L	1	<1	<1	0	<1	<1.0	0	
Benzo(k)fluoranthene	µg/L	1	<1	<1	0	<1	<1.0	0	
Chrysene	µg/L	1	<1	<1	0	<1	<1.0	0	
Dibenz(a,h)anthracene	µg/L	1	<1	<1	0	<1	<1.0	0	
Fluoranthene	µg/L	1	<1	<1	0	<1	<1.0	0	
Fluorene	µg/L	1	<1	<1	0	<1	<1.0	0	
Indeno(1,2,3-c,d)pyrene	µg/L	1	<1	<1	0	<1	<1.0	0	

		Field ID	SSW01	QA10		SSW01	QA10a	
		Date	08 Feb 2024	08 Feb 2024		08 Feb 2024	08 Feb 2024	
		Lab Report Number	1067428	1067428		1067428	ES2404961	
		Matrix Type	Water	Water	RPD	Water	Water	RPD
	Unit	EQL						
Phenanthrene	µg/L	1	<1	<1	0	<1	<1.0	0
Pyrene	µg/L	1	<1	<1	0	<1	<1.0	0
Benzo(a)pyrene TEQ calc (Zero)	mg/L	0.0005	-	-	-	-	<0.0005	-
PAHs (Sum of total)	µg/L	0.5	<1	<1	0	<1	<0.5	0
Organochlorine Pesticides								
Organochlorine pesticides EPAVic	µg/L	2	<2	<2	0	<2	-	-
Other organochlorine pesticides EPAVic	µg/L	2	<2	<2	0	<2	-	-
4,4-DDE	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
a-BHC	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Aldrin	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Aldrin + Dieldrin	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
b-BHC	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Chlordane	µg/L	0.5	<2	<2	0	<2	<0.5	0
Chlordane (cis)	µg/L	0.5	-	-	-	-	<0.5	-
Chlordane (trans)	µg/L	0.5	-	-	-	-	<0.5	-
d-BHC	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
DDD	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
DDT	µg/L	0.2	<0.2	<0.2	0	<0.2	<2.0	0
DDT+DDE+DDD	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Dieldrin	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan I	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan II	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endosulfan sulphate	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endrin	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endrin aldehyde	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Endrin ketone	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
g-BHC (Lindane)	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Heptachlor	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Heptachlor epoxide	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Hexachlorobenzene	µg/L	0.2	<0.2	<0.2	0	<0.2	<0.5	0
Methoxychlor	µg/L	0.2	<0.2	<0.2	0	<0.2	<2.0	0
Toxaphene	µg/L	5	<5	<5	0	<5	-	-
Organophosphorous Pesticides								
Tokuthion	µg/L	2	<2	<2	0	<2	-	-
Azinophos methyl	µg/L	0.5	<2	<2	0	<2	<0.5	0
Bolstar (Sulprofos)	µg/L	2	<2	<2	0	<2	-	-
Bromophos-ethyl	µg/L	0.5	-	-	-	-	<0.5	-
Carbophenothion	µg/L	0.5	-	-	-	-	<0.5	-
Chlorfenvinphos	µg/L	0.5	<20	<20	0	<20	<0.5	0
Chlorpyrifos	µg/L	0.5	<2	<2	0	<2	<0.5	0
Chlorpyrifos-methyl	µg/L	0.5	<2	<2	0	<2	<0.5	0
Coumaphos	µg/L	20	<20	<20	0	<20	-	-
Demeton-O	µg/L	2	<2	<2	0	<2	-	-
Demeton-S	µg/L	2	<2	<2	0	<2	-	-
Diazinon	µg/L	0.5	<2	<2	0	<2	<0.5	0
Dichlorvos	µg/L	0.5	<2	<2	0	<2	<0.5	0
Dimethoate	µg/L	0.5	<2	<2	0	<2	<0.5	0
Disulfoton	µg/L	2	<2	<2	0	<2	-	-
Ethion	µg/L	0.5	<2	<2	0	<2	<0.5	0
Ethoprop	µg/L	2	<2	<2	0	<2	-	-
Fenitrothion	µg/L	2	<2	<2	0	<2	-	-
Fensulfothion	µg/L	2	<2	<2	0	<2	-	-
Fenthion	µg/L	0.5	<2	<2	0	<2	<0.5	0
EPN	µg/L	2	<2	<2	0	<2	-	-
Malathion	µg/L	0.5	<2	<2	0	<2	<0.5	0
Merphos	µg/L	2	<2	<2	0	<2	-	-
Methyl parathion	µg/L	2	<2	<2	0	<2	<2.0	0
Mevinphos (Phosdrin)	µg/L	2	<2	<2	0	<2	-	-
Monocrotophos	µg/L	2	<2	<2	0	<2	<2.0	0
Naled (Dibrom)	µg/L	2	<2	<2	0	<2	-	-
Omethoate	µg/L	20	<20	<20	0	<20	-	-
Parathion	µg/L	2	<2	<2	0	<2	<2.0	0
Phorate	µg/L	2	<2	<2	0	<2	-	-
Pirimiphos-methyl	µg/L	20	<20	<20	0	<20	-	-
Prothiofos	µg/L	0.5	-	-	-	-	<0.5	-
Pyrazophos	µg/L	2	<2	<2	0	<2	-	-
Ronnel	µg/L	2	<2	<2	0	<2	-	-
Terbufos	µg/L	2	<2	<2	0	<2	-	-
Trichloronate	µg/L	2	<2	<2	0	<2	-	-
Tetrachlorvinphos	µg/L	2	<2	<2	0	<2	-	-
Pesticides								
Demeton-S-methyl	µg/L	0.5	-	-	-	-	<0.5	-
Fenamiphos	µg/L	0.5	-	-	-	-	<0.5	-
Pirimphos-ethyl	µg/L	0.5	-	-	-	-	<0.5	-
PCBs								
Arochlor 1016	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1221	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1232	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1242	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1248	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1254	µg/L	5	<5	<5	0	<5	-	-
Arochlor 1260	µg/L	5	<5	<5	0	<5	-	-
PCBs (Sum of total)	µg/L	1	<5	<5	0	<5	<1	0

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 80 (1 - 5 x EQL); 80 (5 - 10 x EQL); 50 (> 10 x EQL))**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory**

Appendix I

Laboratory Reports

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 882	DESPATCH COURIER (consignment reference):	-
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		

SPECIAL LABORATORY INSTRUCTIONS:

Elizabeth Brotherton
9/2 6:07pm
0.3°C

LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHfox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
1	STP02/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
2	STP02/0.4	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
3	STP02/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
4	STP03/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
5	STP03/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
6	STP03/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
7	STP05/0.1	05/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
8	STP05/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
9	STP05/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
10	STP04/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
11	STP04/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
12	STP04/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
13	STP07/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
14	STP07/0.5	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
15	STP07/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
16	STP08/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
17	STP08/0.4	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
18	STP08/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
19	STP09/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
20	STP09/0.3	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
21	STP09/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
22	STP18/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
23	STP18/0.6	05/02/2024	Soil	250 ml Jar	1	X																				
24	STP27/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
25	STP27/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
26	STP27/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
27	STP26/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
28	STP26/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
29	STP26/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
30	STP17/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
31	STP17/0.6	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
32	STP17/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
33	STP25/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
34	STP25/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
35	STP25/0.8	05/02/2024	Soil	250 ml Jar	1		X	X								X										
36	STP10/0.1	05/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
37	STP10/0.5	05/02/2024	Soil	250 ml Jar	1		X	X								X										
38	STP10/0.9	05/02/2024	Soil	250 ml Jar	1		X	X								X										
39	STP16/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
40	STP16/0.4	05/02/2024	Soil	250 ml Jar	1		X	X								X										
41	STP16/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
42	STP15/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
43	STP15/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
44	STP15/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
45	STP14/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
46	STP14/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
47	STP14/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
48	STP34/0.0	06/02/2024	Soil	250 ml Jar	1	X																				
49	STP34/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
50	STP34/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
51	STP34/1.0	06/02/2024	Soil	250 ml Jar	1		X	X								X										
52	STP33/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
53	STP33/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
54	STP33/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
55	STP35/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
56	STP35/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
57	STP35/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
58	STP36/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
59	STP36/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
60	STP36/0.9	06/02/2024	Soil	250 ml Jar	1	X																				
61	SHA05/0.1	06/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
62	SHA05/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
63	STP38/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
64	STP38/0.3	06/02/2024	Soil	250 ml Jar	1		X	X								X										
65	STP38/0.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
66	STP37/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										

1067478

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

ME:	Leppington - Adjacent Lots	LABORATORY:	Eurofins
ON:	Rickard Road, Leppington	CONTACT PERSON:	Adam Bateup
:	30018043	ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
:	SINSW	LABORATORY QUOTE No.:	-
NAGER:	Steve Shaw	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
:	PV, JP	DESPATCH COURIER (consignment reference):	-
PLED:	05/02/2024 - 08/02/2024		
ROM SITE:	08/02/2024 - 4:00pm		
RTS TO	Pauline.Voukidis@smec.com;		
/TL):	Jordan.Petraccaro@smec.com		
CE TO	Steven.Shaw@smec.com		
ORATORY INSTRUCTIONS:			

	CONTACT PH:	0422 156 256	2)	3)	4)
	CONTACT PH:	0432 982 682			
	RELINQUISHED BY:	1) Jordan Petraccaro			
	DATE/TIME:	08/02/2024 - 5:00pm			
	RECEIVED BY:	Eurofins Girraween			
	DATE/TIME:	2/9/2024			

SAMPLE DETAILS				ANALYSIS REQUIRED																					
SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHfox)	(Conductivity (EC) (1:5 Aqueous Extract)	P21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
STP37/0.3	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP37/0.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
SHA06/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA06/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.8	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP45/0.5	06/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
SPT45/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/1.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.0	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
SHA07/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA07/0.6	06/02/2024	Soil	250 ml Jar	1	X																				
SHA08/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA08/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA09/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA09/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
STP46/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP46/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
STP46/0.8	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP47/0.1	06/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
STP47/0.6	06/02/2024	Soil	250 ml Jar	1	X																				
STP47/1.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP47/1.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP44/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP44/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
SHA11/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
SHA11/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
SHA12/0.1	06/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
SHA12/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP01/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
STP01/0.1-1	07/02/2024	Soil	250 ml Jar	1																					
STP01/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP01/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP06/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP06/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP06/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP06/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP19/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP19/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP24/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X									X	PLEASE FORWARD SAMPLE TO ALS
STP24/0.5	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.5	07/02/2024	Soil	250 ml Jar	1	X																				
STP22/0.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
STP22/0.5	07/02/2024	Soil	250 ml Jar	1		X	X								X										

1067428

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	
DATE(S) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

SAMPLE DETAILS					ANALYSIS REQUIRED																			
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHfox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	SHA01/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X			X	X	X			X									PLEASE KEEP ASS BAG FROZEN
	SHA01/0.5	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4	X																			PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1-1	07/02/2024	Soil	250 ml Jar	1																				PLEASE KEEP ASS BAG FROZEN
	SHA02/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA02/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			PLEASE KEEP ASS BAG FROZEN
	STP13/0.1	07/02/2024	Soil	**2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag**	4		X	X	X							X					X	X			X	PLEASE FORWARD SAMPLE TO ALS
	STP13/0.5	07/02/2024	Soil	**2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag**	4		X	X								X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP21/0.1	07/02/2024	Soil	**2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag**	4		X	X								X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP21/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP20/0.1	07/02/2024	Soil	**2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag**	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP20/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP12/0.1	07/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										PLEASE KEEP ASS BAG FROZEN
	STP12/0.5	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP12/1.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP11/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X										
	STP11/0.1-1	07/02/2024	Soil	250 ml Jar	1										X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	STP11/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	STP11/1.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
	STP11/1.1-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	STP32/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X							X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
	STP32/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	STP32/0.8	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X							X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.8-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	SSED01	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X							X	PLEASE FORWARD SAMPLE TO ALS
	SSED01-1	07/02/2024	Sediment	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
	SSED02	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	SSED02-1	07/02/2024	Sediment	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
	STP41/0.1	07/02/2024	Soil	250 ml Jar	1		X	X															X		X	PLEASE FORWARD SAMPLE TO ALS
	STP41/0.6	07/02/2024	Soil	250 ml Jar	1	X										X										
	SHA15/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								
	SHA15/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
	SHA15/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA15/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	SHA03/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
	SHA03/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
	SHA29/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X									X	PLEASE FORWARD SAMPLE TO ALS
	SHA29/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA30/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA30/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA31/0.1	08/02/2024	Soil	Zip Lock Bag	1			X			X		X			X										
	SHA31/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA04/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA04/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA14/0.0	08/02/2024	Soil	250 ml Jar	1				X			X		X			X									
	SHA14/0.5	08/02/2024	Soil	250 ml Jar	1				X			X		X			X			X						
	SHA16/0.1	08/02/2024	Soil	250 ml Jar	1		X	X												X						
	SHA16/0.4	08/02/2024	Soil	250 ml Jar	1		X	X								X				X						
	STP33/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X						X						
	STP42/0.0-0.3-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP35/0.0-0.5-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP47/0.0-1.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 962 682	DESPATCH COURIER (consignment reference):	-
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

SAMPLE DETAILS						ANALYSIS REQUIRED																			
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHfox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	STP46/0.0-0.7-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X											
	STP42/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X											
	STP45/0.0-1.1-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X											
	STP45/0.0-1.1-ACM	08/02/2024	Fragment	Zip Lock Bag	1									X											
	STP43/0.0-0.2-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X											
	ACM-01	07/02/2024	Fragment	Zip Lock Bag	1					X															
	ACM-02	06/02/2024	Fragment	Zip Lock Bag	1					X															
	SSW01	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X										
	SSW02	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X										
	Soil Trip Blank 1	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Blank 2	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Blank 3	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Blank 4	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Spike 1	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Spike 2	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Spike 3	25/01/2024	Soil	1x Vial	1																		X		
	Soil Trip Spike 4	25/01/2024	Soil	1x Vial	1																		X		
	PFAS Blank	07/02/2024	Water	1x PFAS Bottle	1										X										
	Water Trip Blank 1	25/01/2024	Water	1x Vial	1																		X		
	Water Trip Blank 2	25/01/2024	Water	1x Vial	1																		X		
	Water Trip Spike 1	25/01/2024	Water	1x Vial	1																		X		
	Water Trip Spike 2	25/01/2024	Water	1x Vial	1																		X		
	QA01	05/02/2024	Soil	250 ml Jar	1	X																			
	QA01a	05/02/2024	Soil	250 ml Jar	1	X																		X	PLEASE FORWARD SAMPLE TO ALS
	QA02	05/02/2024	Soil	250 ml Jar	1			X								X									
	QA02a	05/02/2024	Soil	250 ml Jar	1			X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA03	06/02/2024	Soil	250 ml Jar	1		X	X								X									
	QA03a	06/02/2024	Soil	250 ml Jar	1		X	X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA04	06/02/2024	Soil	250 ml Jar	1		X	X								X									
	QA04a	06/02/2024	Soil	250 ml Jar	1		X	X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA05	06/02/2024	Soil	250 ml Jar	1		X	X								X									
	QA05a	06/02/2024	Soil	250 ml Jar	1		X	X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA06	06/02/2024	Soil	250 ml Jar	1			X								X									
	QA06a	06/02/2024	Soil	250 ml Jar	1			X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA07	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X							PLEASE KEEP ASS BAG FROZEN
	QA07a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X						X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
	QA08	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X							PLEASE KEEP ASS BAG FROZEN
	QA08a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X					X	X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
	QA09	08/02/2024	Soil	250 ml Jar	1			X								X									
	QA09a	08/02/2024	Soil	250 ml Jar	1			X								X								X	PLEASE FORWARD SAMPLE TO ALS
	QA10	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals,	6		X	X	X						X										
	QA10a	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X									X	PLEASE FORWARD SAMPLE TO ALS
	Rinsate01	06/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X							X				X					
	Rinsate02	07/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X						X	X									
	EIL-01	08/02/2024	Soil	250 ml Jar	1	X													X						
	EIL-02	08/02/2024	Soil	250 ml Jar	1																				
	EIL-03	08/02/2024	Soil	250 ml Jar	1	X																			
	EIL-04	08/02/2024	Soil	250 ml Jar	1														X						
				TOTALS	349	50	85	147	14	2	54	9	54	15	20	141	26	24	2	7	2	2	11	12	30	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

1067428

RE: 30018043 samples

Pauline VOUKIDIS <Pauline.Voukidis@smec.com>

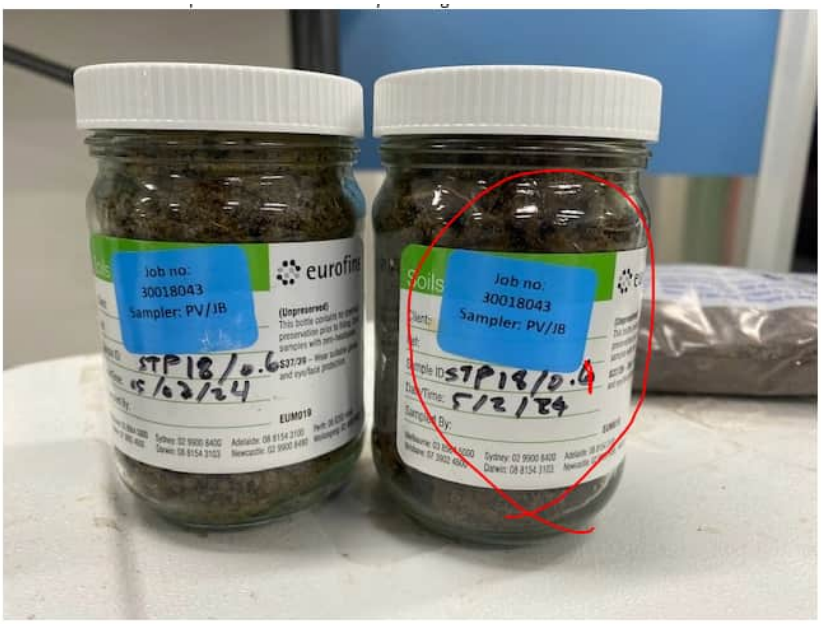
Mon 2/12/2024 3:25 PM

To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>;Steven SHAW <Steven.Shaw@smec.com>;Elizabeth Brotherton <ElizabethBrotherton@eurofins.com>
Cc:Jordan PETRACCARO <Jordan.Petraccaro@smec.com>

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins. Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Elizabeth,

Please see below screenshot for STP18 jars (the jar circled red should be STP18/0.1):



Confirming that the bag STP34/0.0-0.3-SOIL was mis-labelled and should be STP42/0.0-0.3-SOIL.

Thanks for following this up.

Cheers

RE: 30018043 samples

Pauline VOUKIDIS <Pauline.Voukidis@smec.com>

Tue 2/13/2024 11:41 AM

To:Elizabeth Brotherton <ElizabethBrotherton@eurofins.com>;#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>;Steven SHAW <Steven.Shaw@smec.com>
Cc:Jordan PETRACCARO <Jordan.Petraccaro@smec.com>;Adam Bateup <AdamBateup@eurofins.com>

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Hi Elizabeth,

Thanks for sending through the SRA – I have had a look through and have some queries below, can we please get these updated? Please let me know once confirmed/reissued.

- Sample STP13/0.1 and STP13/0.5 are scheduled for "thermotolerant coliforms" rather than as requested on the COC for "total coliforms"

Coliforms - Total	AS 4276.5:2007	10 cfu/g	-	$35.80	-
Coliforms - Thermotolerant	AS 4276.7:2007	10 cfu/g	-	$35.80	-

- STP11/0.1 is also scheduled for herbicides on the COC, appears to be missing from the SRA
- SHA04/0.1 and SHA04/0.5 have been incorrectly scheduled for B19A (no B19A analysis on COC)
- SHA14/0.0 and SHA14/0.5 analysis should be: B15, LEAD, ARSENIC, HERBICIDES, Synthetic Pyrethroids (please update, currently scheduled for incorrect analysis)
- Sample STP42/0.0-0.3-SOIL is mislabelled – please rename to STP34/0.0-0.3-SOIL (apologies this was my mistake in the previous email)
- Samples QA02, QA06 – please also schedule these for lead and arsenic

Cheers
Pauline Voukidis
Experienced Engineer - Environment
T +61 2 9925 5630 E Pauline.Voukidis@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: Elizabeth Brotherton <ElizabethBrotherton@eurofins.com>
Sent: Tuesday, February 13, 2024 7:57 AM
To: Pauline VOUKIDIS <Pauline.Voukidis@smec.com>; #AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>; Steven SHAW <Steven.Shaw@smec.com>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: Re: 30018043 samples

Hi Pauline,

Thanks for getting back to me. I have labelled all three samples according to your email and have just sent through the SRA.

Kind Regards,

Elizabeth Brotherton
Sample Receipt Officer (NSW - Syd)

Eurofins Environment Testing Australia Pty Ltd

From: Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Sent: Monday, February 12, 2024 3:25 PM
To: #AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>; Steven SHAW <Steven.Shaw@smec.com>; Elizabeth Brotherton <ElizabethBrotherton@eurofins.com>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: RE: 30018043 samples

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Hi Elizabeth,

Please see below screenshot for STP18 jars (the jar circled red should be STP18/0.1):

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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

Sample Receipt Advice

Company name:	SMEC Australia Pty Ltd (SYD)
Contact name:	Steven Shaw
Project name:	LEPPINGTON - ADJACENT LOTS
Project ID:	30018043
Turnaround time:	5 Day
Date/Time received	Feb 9, 2024 6:07 PM
Eurofins reference	1067428

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : .3 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✓	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

No asbestos bag received for sample SHA14/0.0 and SHA14/0.5. Asbestos analysis cancelled.
Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
External Laboratory										X			X													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	STP02/0.1	Feb 05, 2024		Soil	S24-Fe0026288	X						X				X		X	X							
2	STP02/0.4	Feb 05, 2024		Soil	S24-Fe0026289	X						X				X		X	X							
3	STP03/0.1	Feb 05, 2024		Soil	S24-Fe0026290	X						X				X		X	X							
4	STP05/0.1	Feb 05, 2024		Soil	S24-Fe0026291	X						X				X		X	X						X	
5	STP04/0.1	Feb 05, 2024		Soil	S24-Fe0026292	X						X				X		X	X							
6	STP04/0.5	Feb 05, 2024		Soil	S24-Fe0026293	X						X				X		X	X							
7	STP07/0.1	Feb 05, 2024		Soil	S24-Fe0026294	X						X		X		X		X	X							
8	STP07/0.5	Feb 05, 2024		Soil	S24-Fe0026295	X						X		X		X		X	X							
9	STP08/0.1	Feb 05, 2024		Soil	S24-Fe0026296	X						X		X		X		X	X							
10	STP08/0.4	Feb 05, 2024		Soil	S24-Fe0026297	X						X		X		X		X	X							
11	STP09/0.1	Feb 05, 2024		Soil	S24-Fe0026298	X						X				X		X	X							

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
12	STP09/0.3	Feb 05, 2024		Soil	S24-Fe0026299	X						X				X		X	X							
13	STP18/0.1	Feb 05, 2024		Soil	S24-Fe0026300	X						X				X		X	X							
14	STP27/0.1	Feb 05, 2024		Soil	S24-Fe0026301	X						X		X		X		X	X							
15	STP26/0.1	Feb 05, 2024		Soil	S24-Fe0026302	X						X		X		X		X	X							
16	STP26/0.5	Feb 05, 2024		Soil	S24-Fe0026303	X						X				X		X	X							
17	STP17/0.1	Feb 05, 2024		Soil	S24-Fe0026304	X						X				X		X	X							
18	STP17/0.6	Feb 05, 2024		Soil	S24-Fe0026305	X						X				X		X	X							
19	STP25/0.1	Feb 05, 2024		Soil	S24-Fe0026306											X		X	X		X					
20	STP25/0.3	Feb 05, 2024		Soil	S24-Fe0026307											X		X	X		X					
21	STP25/0.8	Feb 05, 2024		Soil	S24-Fe0026308											X		X	X		X					
22	STP10/0.1	Feb 05, 2024		Soil	S24-Fe0026309		X									X		X	X		X					
23	STP10/0.5	Feb 05, 2024		Soil	S24-Fe0026310											X		X	X		X					
24	STP10/0.9	Feb 05, 2024		Soil	S24-Fe0026311											X		X	X		X					
25	STP16/0.1	Feb 05, 2024		Soil	S24-Fe0026312											X		X	X		X					

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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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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
26	STP16/0.4	Feb 05, 2024		Soil	S24-Fe0026313											X		X	X		X					
27	STP15/0.1	Feb 05, 2024		Soil	S24-Fe0026314	X						X				X		X	X							
28	STP14/0.1	Feb 05, 2024		Soil	S24-Fe0026315											X		X	X		X					
29	STP14/0.3	Feb 05, 2024		Soil	S24-Fe0026316											X		X	X		X					
30	STP34/0.2	Feb 06, 2024		Soil	S24-Fe0026317											X		X	X		X					
31	STP34/0.5	Feb 06, 2024		Soil	S24-Fe0026318											X		X	X		X					
32	STP34/1.0	Feb 06, 2024		Soil	S24-Fe0026319											X		X	X		X					
33	STP33/0.1	Feb 06, 2024		Soil	S24-Fe0026320											X		X	X		X					
34	STP33/0.4	Feb 06, 2024		Soil	S24-Fe0026321											X		X	X		X					
35	STP35/0.1	Feb 06, 2024		Soil	S24-Fe0026322											X		X	X		X					
36	STP35/0.5	Feb 06, 2024		Soil	S24-Fe0026323											X		X	X		X					
37	STP36/0.1	Feb 06, 2024		Soil	S24-Fe0026324											X		X	X		X					
38	STP36/0.4	Feb 06, 2024		Soil	S24-Fe0026325											X		X	X		X					
39	SHA05/0.1	Feb 06, 2024		Soil	S24-Fe0026326	X						X				X		X	X						X	

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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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Project ID: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
40	SHA05/0.5	Feb 06, 2024		Soil	S24-Fe0026327	X						X				X		X	X							
41	STP38/0.1	Feb 06, 2024		Soil	S24-Fe0026328											X		X	X		X					
42	STP38/0.3	Feb 06, 2024		Soil	S24-Fe0026329											X		X	X		X					
43	STP38/0.7	Feb 06, 2024		Soil	S24-Fe0026330											X		X	X		X					
44	STP37/0.1	Feb 06, 2024		Soil	S24-Fe0026331											X		X	X		X					
45	STP37/0.3	Feb 06, 2024		Soil	S24-Fe0026332											X		X	X		X					
46	STP37/0.7	Feb 06, 2024		Soil	S24-Fe0026333											X		X	X		X					
47	STP39/0.1	Feb 06, 2024		Soil	S24-Fe0026334											X		X	X		X					
48	STP39/0.5	Feb 06, 2024		Soil	S24-Fe0026335											X		X	X		X					
49	SHA06/0.1	Feb 06, 2024		Soil	S24-Fe0026336											X		X	X		X					
50	SHA06/0.5	Feb 06, 2024		Soil	S24-Fe0026337											X		X	X		X					
51	STP40/0.2	Feb 06, 2024		Soil	S24-Fe0026338											X		X	X		X					
52	STP40/0.5	Feb 06, 2024		Soil	S24-Fe0026339											X		X	X		X					
53	STP40/0.8	Feb 06, 2024		Soil	S24-Fe0026340											X		X	X		X					

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Project ID: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
54	STP42/0.1	Feb 06, 2024		Soil	S24-Fe0026341											X		X	X		X					
55	STP42/0.4	Feb 06, 2024		Soil	S24-Fe0026342											X		X	X		X					
56	STP45/0.1	Feb 06, 2024		Soil	S24-Fe0026343											X		X	X		X					
57	STP45/0.5	Feb 06, 2024		Soil	S24-Fe0026344		X									X		X	X		X					
58	STP45/1.5	Feb 06, 2024		Soil	S24-Fe0026345											X		X	X		X					
59	STP43/0.0	Feb 06, 2024		Soil	S24-Fe0026346											X		X	X		X					
60	STP43/0.1	Feb 06, 2024		Soil	S24-Fe0026347											X		X	X		X					
61	STP43/0.5	Feb 06, 2024		Soil	S24-Fe0026348											X		X	X		X					
62	SHA07/0.1	Feb 06, 2024		Soil	S24-Fe0026349											X		X	X		X					
63	SHA08/0.1	Feb 06, 2024		Soil	S24-Fe0026350										X	X		X	X		X					
64	SHA08/0.6	Feb 06, 2024		Soil	S24-Fe0026351										X	X		X	X		X					
65	SHA09/0.1	Feb 06, 2024		Soil	S24-Fe0026352											X		X	X		X					
66	SHA09/0.6	Feb 06, 2024		Soil	S24-Fe0026353											X		X	X		X					
67	SHA10/0.1	Feb 06, 2024		Soil	S24-Fe0026354											X		X	X		X					

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
68	STP46/0.1	Feb 06, 2024		Soil	S24-Fe0026355											X		X	X		X					
69	STP46/0.8	Feb 06, 2024		Soil	S24-Fe0026356											X		X	X		X					
70	STP47/0.1	Feb 06, 2024		Soil	S24-Fe0026357		X									X		X	X		X					
71	STP47/1.2	Feb 06, 2024		Soil	S24-Fe0026358											X		X	X		X					
72	STP47/1.7	Feb 06, 2024		Soil	S24-Fe0026359											X		X	X		X					
73	SHA48/0.2	Feb 06, 2024		Soil	S24-Fe0026360											X		X	X		X					
74	SHA48/0.6	Feb 06, 2024		Soil	S24-Fe0026361											X		X	X		X					
75	STP44/0.1	Feb 06, 2024		Soil	S24-Fe0026362	X						X				X		X	X							
76	STP44/0.5	Feb 06, 2024		Soil	S24-Fe0026363	X						X				X		X	X							
77	SHA11/0.1	Feb 06, 2024		Soil	S24-Fe0026364	X						X				X		X	X							
78	SHA12/0.1	Feb 06, 2024		Soil	S24-Fe0026365	X						X				X		X	X						X	
79	SHA12/0.5	Feb 06, 2024		Soil	S24-Fe0026366	X						X				X		X	X							
80	STP49/0.1	Feb 06, 2024		Soil	S24-Fe0026367	X						X				X		X	X							
81	STP49/0.5	Feb 06, 2024		Soil	S24-Fe0026368	X						X				X		X	X							

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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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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
82	STP01/0.1	Feb 07, 2024		Soil	S24-Fe0026369	X			X			X				X	X	X	X						X		
83	STP01/0.5	Feb 07, 2024		Soil	S24-Fe0026370	X			X			X				X	X	X	X								
84	STP06/0.1	Feb 07, 2024		Soil	S24-Fe0026371	X			X			X				X	X	X	X						X		
85	STP06/0.5	Feb 07, 2024		Soil	S24-Fe0026372	X			X			X				X	X	X	X								
86	STP19/0.1	Feb 07, 2024		Soil	S24-Fe0026373	X			X			X				X	X	X	X						X		
87	STP19/0.5	Feb 07, 2024		Soil	S24-Fe0026374	X			X			X				X	X	X	X								
88	STP24/0.1	Feb 07, 2024		Soil	S24-Fe0026375	X						X				X		X	X								
89	STP24/0.5	Feb 07, 2024		Soil	S24-Fe0026376	X						X				X		X	X								
90	STP23/0.1	Feb 07, 2024		Soil	S24-Fe0026377	X						X				X		X	X								
91	STP22/0.1	Feb 07, 2024		Soil	S24-Fe0026378											X		X	X		X						
92	STP22/0.5	Feb 07, 2024		Soil	S24-Fe0026379											X		X	X		X						
93	SHA01/0.1	Feb 07, 2024		Soil	S24-Fe0026380	X						X		X		X		X	X								
94	SHA02/0.1	Feb 07, 2024		Soil	S24-Fe0026381	X			X			X				X	X	X	X						X		
95	SHA02/0.5	Feb 07, 2024		Soil	S24-Fe0026382	X			X			X				X	X	X	X								

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
96	STP13/0.1	Feb 07, 2024		Soil	S24-Fe0026383					X			X			X		X	X		X				X	
97	STP13/0.5	Feb 07, 2024		Soil	S24-Fe0026384					X			X			X		X	X		X					
98	STP21/0.1	Feb 07, 2024		Soil	S24-Fe0026385											X		X	X		X					
99	STP21/0.7	Feb 07, 2024		Soil	S24-Fe0026386											X		X	X		X					
100	STP20/0.1	Feb 07, 2024		Soil	S24-Fe0026387											X		X	X		X					
101	STP20/0.7	Feb 07, 2024		Soil	S24-Fe0026388											X		X	X		X					
102	STP12/0.1	Feb 07, 2024		Soil	S24-Fe0026389		X									X		X	X		X					
103	STP12/0.5	Feb 07, 2024		Soil	S24-Fe0026390											X		X	X		X					
104	STP12/1.1	Feb 07, 2024		Soil	S24-Fe0026391											X		X	X		X					
105	STP11/0.1	Feb 07, 2024		Soil	S24-Fe0026392				X							X	X	X	X		X			X		
106	STP11/0.5	Feb 07, 2024		Soil	S24-Fe0026393				X								X		X							
107	STP11/1.1	Feb 07, 2024		Soil	S24-Fe0026394				X							X	X	X	X		X					
108	STP32/0.1	Feb 07, 2024		Soil	S24-Fe0026395				X							X	X	X	X		X			X		
109	STP32/0.5	Feb 07, 2024		Soil	S24-Fe0026396				X							X	X	X	X		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
110	STP32/0.8	Feb 07, 2024		Soil	S24-Fe0026397				X								X		X							
111	SSED01	Feb 07, 2024		Sediment	S24-Fe0026398				X								X	X	X		X			X	X	
112	SSED02	Feb 07, 2024		Sediment	S24-Fe0026399				X								X	X	X		X			X	X	
113	STP41/0.1	Feb 07, 2024		Soil	S24-Fe0026400											X		X	X		X					
114	SHA15/0.1	Feb 07, 2024		Soil	S24-Fe0026401	X			X			X				X	X	X	X					X		
115	SHA15/0.5	Feb 07, 2024		Soil	S24-Fe0026402	X			X			X				X	X	X	X							
116	SHA03/0.1	Feb 07, 2024		Soil	S24-Fe0026403	X			X			X				X	X	X	X					X		
117	SHA03/0.5	Feb 07, 2024		Soil	S24-Fe0026404	X			X			X				X	X	X	X							
118	SHA29/0.1	Feb 08, 2024		Soil	S24-Fe0026405	X						X				X		X	X							
119	SHA29/0.6	Feb 08, 2024		Soil	S24-Fe0026406	X						X				X		X	X							
120	SHA28/0.1	Feb 08, 2024		Soil	S24-Fe0026407	X						X				X		X	X							
121	SHA30/0.1	Feb 08, 2024		Soil	S24-Fe0026408	X						X				X		X	X							
122	SHA30/0.6	Feb 08, 2024		Soil	S24-Fe0026409	X						X				X		X	X							
123	SHA31/0.1	Feb 08, 2024		Soil	S24-Fe0026410	X						X				X		X	X							

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
124	SHA04/0.1	Feb 08, 2024		Soil	S24-Fe0026411	X						X				X		X	X							
125	SHA04/0.5	Feb 08, 2024		Soil	S24-Fe0026412	X						X				X		X	X							
126	SHA13/0.1	Feb 08, 2024		Soil	S24-Fe0026413	X						X				X		X	X							
127	SHA13/0.5	Feb 08, 2024		Soil	S24-Fe0026414	X						X				X		X	X							
128	SHA14/0.0	Feb 08, 2024		Soil	S24-Fe0026415	X						X			X	X		X	X							
129	SHA14/0.5	Feb 08, 2024		Soil	S24-Fe0026416	X						X			X	X		X	X							
130	SHA16/0.1	Feb 08, 2024		Soil	S24-Fe0026417										X	X		X	X		X					
131	SHA16/0.4	Feb 08, 2024		Soil	S24-Fe0026418										X	X		X	X		X					
132	STP33/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026419		X																			
133	STP34/0.0-0.3-SOIL	Feb 08, 2024		Soil	S24-Fe0026420		X																			
134	STP35/0.0-0.5-SOIL	Feb 08, 2024		Soil	S24-Fe0026421		X																			
135	STP47/0.0-	Feb 08, 2024		Soil	S24-Fe0026422		X																			

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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
135	STP47/0.0-1.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026422																					
136	STP46/0.0-0.7-SOIL	Feb 08, 2024		Soil	S24-Fe0026423		X																			
137	STP42/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026424		X																			
138	STP45/0.0-1.1-SOIL	Feb 08, 2024		Soil	S24-Fe0026425		X																			
139	STP45/0.0-1.1-ACM	Feb 08, 2024		Building Materials	S24-Fe0026426			X																		
140	STP43/0.0-0.2-SOIL	Feb 08, 2024		Soil	S24-Fe0026427		X																			
141	ACM-01	Feb 07, 2024		Building Materials	S24-Fe0026428			X																		
142	ACM-02	Feb 06, 2024		Building Materials	S24-Fe0026429			X																		

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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: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
143	SSW01	Feb 08, 2024		Water	S24-Fe0026430													X			X		X	X		
144	SSW02	Feb 08, 2024		Water	S24-Fe0026431													X			X		X	X		
145	SOIL TRIP BLANK 1	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026432																	X				
146	SOIL TRIP BLANK 2	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026433																	X				
147	SOIL TRIP BLANK 3	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026434																	X				
148	SOIL TRIP BLANK 4	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026435																	X				
149	SOIL TRIP SPIKE 1	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026436																					X
150	SOIL TRIP SPIKE 2	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026437																					X
151	SOIL TRIP SPIKE 3	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026438																					X

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
152	SOIL TRIP SPIKE 4	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026439																					X
153	PFAS BLANK	Feb 07, 2024		Water	S24-Fe0026440																				X	
154	QA02	Feb 05, 2024		Soil	S24-Fe0026441	X						X				X		X	X							
155	QA03	Feb 06, 2024		Soil	S24-Fe0026442											X		X	X		X					
156	QA04	Feb 06, 2024		Soil	S24-Fe0026443											X		X	X		X					
157	QA05	Feb 06, 2024		Soil	S24-Fe0026444											X		X	X		X					
158	QA06	Feb 06, 2024		Soil	S24-Fe0026445	X						X				X		X	X							
159	QA07	Feb 07, 2024		Soil	S24-Fe0026446				X								X		X					X		
160	QA08	Feb 07, 2024		Soil	S24-Fe0026447				X							X	X	X	X					X		
161	QA09	Feb 08, 2024		Soil	S24-Fe0026448											X		X	X							
162	QA10	Feb 08, 2024		Water	S24-Fe0026449													X			X		X	X		
163	RINSATE01	Feb 06, 2024		Water	S24-Fe0026450										X	X		X			X		X			
164	RINSATE02	Feb 07, 2024		Water	S24-Fe0026451											X		X			X		X	X		

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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
165	EIL-02	Feb 08, 2024		Soil	S24-Fe0026452														X	X						
166	EIL-04	Feb 08, 2024		Soil	S24-Fe0026453														X	X						
167	SOIL TRIP SPIKE LAB 1	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026454																					X
168	SOIL TRIP SPIKE LAB 2	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026455																					X
169	SOIL TRIP SPIKE LAB 3	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026456																					X
170	SOIL TRIP SPIKE LAB 4	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026457																					X
171	STP02/0.7	Feb 05, 2024		Soil	S24-Fe0026458						X															
172	STP03/0.3	Feb 05, 2024		Soil	S24-Fe0026459						X															
173	STP03/0.8	Feb 05, 2024		Soil	S24-Fe0026460						X															
174	STP05/0.4	Feb 05, 2024		Soil	S24-Fe0026461						X															
175	STP05/0.9	Feb 05, 2024		Soil	S24-Fe0026462						X															

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Project ID: 30018043

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
176	STP04/0.8	Feb 05, 2024		Soil	S24-Fe0026463						X															
177	STP07/0.8	Feb 05, 2024		Soil	S24-Fe0026464						X															
178	STP08/1.0	Feb 05, 2024		Soil	S24-Fe0026465						X															
179	STP09/0.7	Feb 05, 2024		Soil	S24-Fe0026466						X															
180	STP18/0.6	Feb 05, 2024		Soil	S24-Fe0026467						X															
181	STP27/0.3	Feb 05, 2024		Soil	S24-Fe0026468						X															
182	STP27/0.8	Feb 05, 2024		Soil	S24-Fe0026469						X															
183	STP26/1.0	Feb 05, 2024		Soil	S24-Fe0026470						X															
184	STP17/0.9	Feb 05, 2024		Soil	S24-Fe0026471						X															
185	STP16/1.0	Feb 05, 2024		Soil	S24-Fe0026472						X															
186	STP15/0.4	Feb 05, 2024		Soil	S24-Fe0026473						X															
187	STP15/0.8	Feb 05, 2024		Soil	S24-Fe0026474						X															
188	STP14/0.8	Feb 05, 2024		Soil	S24-Fe0026475						X															
189	STP34/0.0	Feb 06, 2024		Soil	S24-Fe0026476						X															

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
190	STP33/0.7	Feb 06, 2024		Soil	S24-Fe0026477						X															
191	STP35/0.8	Feb 06, 2024		Soil	S24-Fe0026478						X															
192	STP36/0.9	Feb 06, 2024		Soil	S24-Fe0026479						X															
193	STP39/1.0	Feb 06, 2024		Soil	S24-Fe0026480						X															
194	STP42/0.7	Feb 06, 2024		Soil	S24-Fe0026481						X															
195	STP45/1.0	Feb 06, 2024		Soil	S24-Fe0026482						X															
196	STP43/0.8	Feb 06, 2024		Soil	S24-Fe0026483						X															
197	SHA07/0.6	Feb 06, 2024		Soil	S24-Fe0026484						X															
198	SHA10/0.5	Feb 06, 2024		Soil	S24-Fe0026485						X															
199	STP46/0.5	Feb 06, 2024		Soil	S24-Fe0026486						X															
200	STP47/0.6	Feb 06, 2024		Soil	S24-Fe0026487						X															
201	SHA11/0.5	Feb 06, 2024		Soil	S24-Fe0026488						X															
202	STP23/0.5	Feb 07, 2024		Soil	S24-Fe0026489						X															
203	SHA01/0.5	Feb 07, 2024		Soil	S24-Fe0026490						X															

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
204	STP41/0.6	Feb 07, 2024		Soil	S24-Fe0026491						X															
205	SHA28/0.6	Feb 08, 2024		Soil	S24-Fe0026492						X															
206	SHA31/0.6	Feb 08, 2024		Soil	S24-Fe0026493						X															
207	WATER TRIP BLANK 1	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026494																	X				
208	WATER TRIP BLANK 2	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026495																	X				
209	WATER TRIP SPIKE 1	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026496																					X
210	WATER TRIP SPIKE 2	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026497																					X
211	QA01	Feb 05, 2024		Soil	S24-Fe0026498						X															
212	EIL-01	Feb 08, 2024		Soil	S24-Fe0026499						X															
213	EIL-03	Feb 08, 2024		Soil	S24-Fe0026500						X															
Test Counts						58	12	3	22	2	39	58	2	7	7	136	22	141	141	2	81	6	5	17	6	10

Eurofins Food Testing Australia Pty Ltd
6 Monterey Road | Dandenong South | VIC 3175
https://www.eurofins.com.au/food-testing

Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Number **20293**

ANALYTICAL REPORT

Report: AR-24-NV-003093-01 **Date:** 22/02/2024 **Order :** EUAUTWU-00045029

Attention to: Analytical Reports, Eurofins Environment Testing Australia Pty Ltd
6 Monterey Road, Dandenong South, 3175 Melbourne, AUSTRALIA

Your contact: Monica Chen
+61385645000, MonicaChen@eurofins.com

PO number: 1067428

24-Fe0026383: STP13/0.1

Sample code: 726-2024-00007347 Reception date: 20/02/2024 Reception temperature:

Sampled Date & Time: 07/02/2024 12:00

	RESULTS	LOQ	TEST	START DATE
Total Coliforms	>24000 MPN/g	1	VQ237	22/02/2024
E.Coli	<10 MPN/g	1	VQ239	22/02/2024

24-Fe0026384: STP13/0.5

Sample code: 726-2024-00007348 Reception date: 20/02/2024 Reception temperature:

Sampled Date & Time: 07/02/2024 12:00

	RESULTS	LOQ	TEST	START DATE
Total Coliforms	440 MPN/g	1	VQ237	22/02/2024
E.Coli	<10 MPN/g	1	VQ239	22/02/2024

LIST OF METHODS

VQ237 - Total Coliforms: AS 4276.21

VQ239 - E.coli: AS 4276.21

Deepika Rajwar (Analyst Food Testing Melbourne (AU))

EXPLANATORY NOTE

- ◆ Test is not accredited
- ○ Test is subcontracted within Eurofins group and is accredited
- ● Test is subcontracted within Eurofins group and is not accredited
- □ Test is subcontracted outside Eurofins group and is accredited
- ■ Test is subcontracted outside Eurofins group and is not accredited

N/A means Not Applicable
Not Detected means not detected at or above the Limit of Quantification (LOQ)
LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

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The test result(s) in this report apply only to the sample as received.
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END OF REPORT

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
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Attention: **Steven Shaw**

Report **1067428-W-V2**
Project name LEPPINGTON - ADJACENT LOTS
Project ID 30018043
Received Date Feb 09, 2024

Client Sample ID			**SSW01**	**SSW02**	**PFAS BLANK**	**QA10**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S24-Fe0026430**	**S24-Fe0026431**	**S24-Fe0026440**	**S24-Fe0026449**
Date Sampled			**Feb 08, 2024**	**Feb 08, 2024**	**Feb 07, 2024**	**Feb 08, 2024**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	-	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	-	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	-	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	-	< 0.1
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001

Client Sample ID			SSW01	SSW02	PFAS BLANK	QA10
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0026430	S24-Fe0026431	S24-Fe0026440	S24-Fe0026449
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 07, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Bromoform	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Bromomethane	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Chloroethane	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Chloroform	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Chloromethane	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Iodomethane	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
o-Xylene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Styrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	-	< 0.003
Total MAH*	0.003	mg/L	< 0.003	< 0.003	-	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
4-Bromofluorobenzene (surr.)	1	%	107	103	-	107
Toluene-d8 (surr.)	1	%	97	96	-	99
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	-	< 0.01
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001

Client Sample ID			SSW01	SSW02	PFAS BLANK	QA10
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0026430	S24-Fe0026431	S24-Fe0026440	S24-Fe0026449
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 07, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
2-Fluorobiphenyl (surr.)	1	%	56	56	-	81
p-Terphenyl-d14 (surr.)	1	%	128	109	-	142
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
4.4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
4.4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
4.4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Toxaphene	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Dibutylchlorendate (surr.)	1	%	106	96	-	127
Tetrachloro-m-xylene (surr.)	1	%	115	101	-	124
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Bolstar	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Coumaphos	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
Demeton-S	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Demeton-O	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Diazinon	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Dimethoate	0.002	mg/L	< 0.002	< 0.002	-	< 0.002

Client Sample ID			SSW01	SSW02	PFAS BLANK	QA10
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0026430	S24-Fe0026431	S24-Fe0026440	S24-Fe0026449
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 07, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Disulfoton	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
EPN	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Ethion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Ethoprop	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Fenthion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Malathion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Merphos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Mevinphos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Naled	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Omethoate	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
Phorate	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	-	< 0.02
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Ronnel	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Terbufos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Tokuthion	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Trichloronate	0.002	mg/L	< 0.002	< 0.002	-	< 0.002
Triphenylphosphate (surr.)	1	%	134	132	-	INT
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Total PCB*	0.005	mg/L	< 0.005	< 0.005	-	< 0.005
Dibutylchlorendate (surr.)	1	%	106	96	-	127
Tetrachloro-m-xylene (surr.)	1	%	115	101	-	124
Nitrate & Nitrite (as N)	0.05	mg/L	< 0.05	4.7	-	< 0.05
Nitrate (as N)	0.02	mg/L	< 0.02	4.7	-	< 0.02
Nitrite (as N)	0.02	mg/L	< 0.02	0.06	-	< 0.02
Phosphate total (as P)	0.01	mg/L	7.7	1.4	-	7.9
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	0.4	3.4	-	3.2
Total Nitrogen (as N)*	0.1	mg/L	0.4	8.1	-	3.2
Heavy Metals						
Arsenic	0.001	mg/L	0.002	0.002	-	0.002
Cadmium	0.0002	mg/L	< 0.0002	< 0.0002	-	< 0.0002
Chromium	0.001	mg/L	< 0.001	0.002	-	< 0.001
Copper	0.001	mg/L	0.003	0.012	-	0.002
Lead	0.001	mg/L	< 0.001	0.002	-	< 0.001
Mercury	0.0001	mg/L	< 0.0001	< 0.0001	-	< 0.0001

Client Sample ID			SSW01	SSW02	PFAS BLANK	QA10
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0026430	S24-Fe0026431	S24-Fe0026440	S24-Fe0026449
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 07, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Nickel	0.001	mg/L	0.002	0.004	-	0.002
Zinc	0.005	mg/L	0.017	0.034	-	0.016
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	< 0.05	0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	0.05	0.13	< 0.01	0.05
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	0.06	0.11	< 0.01	0.08
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	100	94	91	89
13C5-PFPeA (surr.)	1	%	93	91	92	86
13C5-PFHxA (surr.)	1	%	110	108	94	97
13C4-PFHpA (surr.)	1	%	106	100	87	93
13C8-PFOA (surr.)	1	%	117	115	97	113
13C5-PFNA (surr.)	1	%	103	103	88	98
13C6-PFDA (surr.)	1	%	98	90	90	92
13C2-PFUnDA (surr.)	1	%	95	94	84	95
13C2-PFDoDA (surr.)	1	%	93	77	92	96
13C2-PFTeDA (surr.)	1	%	78	44	84	60
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	101	93	93	98
D3-N-MeFOSA (surr.)	1	%	79	49	63	56
D5-N-EtFOSA (surr.)	1	%	86	45	52	56
D7-N-MeFOSE (surr.)	1	%	92	62	78	75
D9-N-EtFOSE (surr.)	1	%	97	69	70	73
D5-N-EtFOSAA (surr.)	1	%	107	87	104	91
D3-N-MeFOSAA (surr.)	1	%	95	84	86	84
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01

Client Sample ID			SSW01	SSW02	PFAS BLANK	QA10
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0026430	S24-Fe0026431	S24-Fe0026440	S24-Fe0026449
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 07, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	114	103	99	102
18O2-PFHxS (surr.)	1	%	117	121	97	105
13C8-PFOS (surr.)	1	%	106	97	102	110
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	INT	187	100	INT
13C2-6:2 FTSA (surr.)	1	%	166	147	113	177
13C2-8:2 FTSA (surr.)	1	%	138	111	105	126
13C2-10:2 FTSA (surr.)	1	%	111	87	95	101
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	0.11	0.29	< 0.05	0.13
Sum of PFASs (n=30)*	0.1	ug/L	0.11	0.29	< 0.1	0.13

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	-	-
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	-	-
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	-	-
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	-	-
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	-	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	-	-
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	-	-
Benzene	0.001	mg/L	< 0.001	< 0.001	-	-
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Bromoform	0.001	mg/L	< 0.001	< 0.001	-	-
Bromomethane	0.005	mg/L	< 0.005	< 0.005	-	-
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	-	-
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	-	-
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Chloroethane	0.005	mg/L	< 0.005	< 0.005	-	-
Chloroform	0.005	mg/L	< 0.005	< 0.005	-	-
Chloromethane	0.005	mg/L	< 0.005	< 0.005	-	-
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Iodomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	-	-
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	-	-
o-Xylene	0.001	mg/L	< 0.001	< 0.001	-	-
Styrene	0.001	mg/L	< 0.001	< 0.001	-	-
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Toluene	0.001	mg/L	< 0.001	< 0.001	-	-
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	-	-
Total MAH*	0.003	mg/L	< 0.003	< 0.003	-	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	-
4-Bromofluorobenzene (surr.)	1	%	117	105	-	-
Toluene-d8 (surr.)	1	%	111	95	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	-	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	-	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	-	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	-	-
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	-	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	-	-
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	-	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	-	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	-	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Total PAH*	0.001	mg/L	< 0.001	< 0.001	-	-
2-Fluorobiphenyl (surr.)	1	%	121	85	-	-
p-Terphenyl-d14 (surr.)	1	%	INT	INT	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	-	-
4.4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	-	-
4.4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	-	-
4.4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	-	-
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
d-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	-	-
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Toxaphene	0.005	mg/L	< 0.005	< 0.005	-	-
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	-
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	-
Dibutylchlorendate (surr.)	1	%	INT	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	INT	INT	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	-	-
Bolstar	0.002	mg/L	< 0.002	< 0.002	-	-
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	-	-
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	-	-
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	-	-
Coumaphos	0.02	mg/L	< 0.02	< 0.02	-	-
Demeton-S	0.002	mg/L	< 0.002	< 0.002	-	-
Demeton-O	0.002	mg/L	< 0.002	< 0.002	-	-
Diazinon	0.002	mg/L	< 0.002	< 0.002	-	-
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	-	-
Dimethoate	0.002	mg/L	< 0.002	< 0.002	-	-
Disulfoton	0.002	mg/L	< 0.002	< 0.002	-	-
EPN	0.002	mg/L	< 0.002	< 0.002	-	-
Ethion	0.002	mg/L	< 0.002	< 0.002	-	-
Ethoprop	0.002	mg/L	< 0.002	< 0.002	-	-
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	-	-
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	-	-
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	-	-
Fenthion	0.002	mg/L	< 0.002	< 0.002	-	-
Malathion	0.002	mg/L	< 0.002	< 0.002	-	-
Merphos	0.002	mg/L	< 0.002	< 0.002	-	-
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	-	-
Mevinphos	0.002	mg/L	< 0.002	< 0.002	-	-
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	-	-
Naled	0.002	mg/L	< 0.002	< 0.002	-	-
Omethoate	0.02	mg/L	< 0.02	< 0.02	-	-
Phorate	0.002	mg/L	< 0.002	< 0.002	-	-
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	-	-
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	-	-
Ronnel	0.002	mg/L	< 0.002	< 0.002	-	-
Terbufos	0.002	mg/L	< 0.002	< 0.002	-	-
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	-	-
Tokuthion	0.002	mg/L	< 0.002	< 0.002	-	-
Trichloronate	0.002	mg/L	< 0.002	< 0.002	-	-
Triphenylphosphate (surr.)	1	%	INT	INT	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	-	-
Total PCB*	0.005	mg/L	< 0.005	< 0.005	-	-
Dibutylchlorendate (surr.)	1	%	INT	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	INT	INT	-	-
Nitrate & Nitrite (as N)	0.05	mg/L	< 0.05	< 0.05	-	-
Nitrate (as N)	0.02	mg/L	< 0.02	< 0.02	-	-
Nitrite (as N)	0.02	mg/L	< 0.02	< 0.02	-	-
Phosphate total (as P)	0.01	mg/L	< 0.01	< 0.01	-	-
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	< 0.2	< 0.2	-	-
Total Nitrogen (as N)*	0.1	mg/L	< 0.2	< 0.2	-	-
Naphthalene[N02]	0.01	mg/L	-	-	< 0.01	< 0.01
Heavy Metals						
Arsenic	0.001	mg/L	< 0.001	< 0.001	-	-
Cadmium	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Chromium	0.001	mg/L	< 0.001	< 0.001	-	-
Copper	0.001	mg/L	< 0.001	< 0.001	-	-
Lead	0.001	mg/L	< 0.001	< 0.001	-	-
Mercury	0.0001	mg/L	< 0.0001	< 0.0001	-	-
Nickel	0.001	mg/L	< 0.001	< 0.001	-	-
Zinc	0.005	mg/L	< 0.005	< 0.005	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	-	< 0.05	-	-
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	-	< 0.01	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	-	< 0.01	-	-
13C4-PFBA (surr.)	1	%	-	100	-	-
13C5-PFPeA (surr.)	1	%	-	91	-	-
13C5-PFHxA (surr.)	1	%	-	96	-	-
13C4-PFHpA (surr.)	1	%	-	100	-	-
13C8-PFOA (surr.)	1	%	-	117	-	-
13C5-PFNA (surr.)	1	%	-	108	-	-
13C6-PFDA (surr.)	1	%	-	109	-	-
13C2-PFUnDA (surr.)	1	%	-	115	-	-
13C2-PFDoDA (surr.)	1	%	-	107	-	-
13C2-PFTeDA (surr.)	1	%	-	93	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	-	< 0.05	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	-	< 0.05	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	-	< 0.05	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	-	< 0.05	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	-	< 0.05	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	-	< 0.05	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	-	< 0.05	-	-
13C8-FOSA (surr.)	1	%	-	109	-	-
D3-N-MeFOSA (surr.)	1	%	-	85	-	-
D5-N-EtFOSA (surr.)	1	%	-	79	-	-
D7-N-MeFOSE (surr.)	1	%	-	92	-	-
D9-N-EtFOSE (surr.)	1	%	-	88	-	-
D5-N-EtFOSAA (surr.)	1	%	-	134	-	-
D3-N-MeFOSAA (surr.)	1	%	-	123	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	-	< 0.01	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	-	< 0.01	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	-	< 0.01	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	-	< 0.01	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	-	< 0.01	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	-	< 0.01	-	-
13C3-PFBS (surr.)	1	%	-	117	-	-
18O2-PFHxS (surr.)	1	%	-	124	-	-
13C8-PFOS (surr.)	1	%	-	134	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	-	< 0.01	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	-	< 0.05	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	-	< 0.01	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	-	< 0.01	-	-
13C2-4:2 FTSA (surr.)	1	%	-	105	-	-
13C2-6:2 FTSA (surr.)	1	%	-	95	-	-
13C2-8:2 FTSA (surr.)	1	%	-	92	-	-
13C2-10:2 FTSA (surr.)	1	%	-	110	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	-	< 0.01	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	-	< 0.01	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	-	< 0.01	-	-
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	-	< 0.05	-	-
Sum of PFASs (n=30)*	0.1	ug/L	-	< 0.1	-	-

Client Sample ID			RINSATE01	RINSATE02	WATER TRIP BLANK 1	WATER TRIP BLANK 2
Sample Matrix			Water	Water	Trip Blank (liquid)	Trip Blank (liquid)
Eurofins Sample No.			S24-Fe0026450	S24-Fe0026451	S24-Fe0026494	S24-Fe0026495
Date Sampled			Feb 06, 2024	Feb 07, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
2.4-D	0.001	mg/L	< 0.001	< 0.001	-	-
2.4-DB	0.001	mg/L	< 0.001	< 0.001	-	-
2.4.5-T	0.001	mg/L	< 0.001	< 0.001	-	-
2.4.5-TP	0.001	mg/L	< 0.001	< 0.001	-	-
Actril (loxynil)	0.001	mg/L	< 0.001	< 0.001	-	-
Dicamba	0.001	mg/L	< 0.001	< 0.001	-	-
Dichlorprop	0.001	mg/L	< 0.001	< 0.001	-	-
Dinitro-o-cresol	0.001	mg/L	< 0.001	< 0.001	-	-
Dinoseb	0.001	mg/L	< 0.001	< 0.001	-	-
MCPA	0.001	mg/L	< 0.001	< 0.001	-	-
MCPB	0.001	mg/L	< 0.001	< 0.001	-	-
Mecoprop	0.001	mg/L	< 0.001	< 0.001	-	-
Warfarin (surr.)	0.001	%	75	81	-	-
BTEX						
Benzene	0.001	mg/L	-	-	< 0.001	< 0.001
Toluene	0.001	mg/L	-	-	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	-	-	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	-	-	< 0.002	< 0.002
o-Xylene	0.001	mg/L	-	-	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	-	-	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	-	90	83

Client Sample ID			WATER TRIP SPIKE 1	WATER TRIP SPIKE 2
Sample Matrix			Trip Spike (liquid)	Trip Spike (liquid)
Eurofins Sample No.			S24-Fe0026496	S24-Fe0026497
Date Sampled			Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit		
TRH C6-C10	1	%	72	110
Total Recoverable Hydrocarbons				
Naphthalene	1	%	97	98
TRH C6-C9	1	%	71	110
BTEX				
Benzene	1	%	110	110
Ethylbenzene	1	%	100	98
m&p-Xylenes	1	%	110	100
o-Xylene	1	%	100	97
Toluene	1	%	88	83
Xylenes - Total	1	%	110	98
4-Bromofluorobenzene (surr.)	1	%	86	87

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	Feb 16, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 12, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Feb 12, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Feb 12, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Feb 12, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Polycyclic Aromatic Hydrocarbons	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Feb 16, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Total Nitrogen Set (as N)			
Nitrate & Nitrite (as N)	Melbourne	Feb 13, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrate (as N)	Melbourne	Feb 13, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrite (as N)	Melbourne	Feb 13, 2024	2 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Total Kjeldahl Nitrogen (as N)	Melbourne	Feb 13, 2024	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Eurofins Suite B19A: Total N (TKN, NOx), Total P			
Phosphate total (as P)	Sydney	Feb 19, 2024	28 Days
- Method: E052 Total Phosphate (as P)			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Feb 16, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Feb 16, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Feb 16, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Feb 16, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 12, 2024	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Acid Herbicides	Melbourne	Feb 13, 2024	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			

eurofins

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
External Laboratory										X			X													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	STP02/0.1	Feb 05, 2024		Soil	S24-Fe0026288	X						X				X		X	X							
2	STP02/0.4	Feb 05, 2024		Soil	S24-Fe0026289	X						X				X		X	X							
3	STP03/0.1	Feb 05, 2024		Soil	S24-Fe0026290	X						X				X		X	X							
4	STP05/0.1	Feb 05, 2024		Soil	S24-Fe0026291	X						X				X		X	X						X	
5	STP04/0.1	Feb 05, 2024		Soil	S24-Fe0026292	X						X				X		X	X							
6	STP04/0.5	Feb 05, 2024		Soil	S24-Fe0026293	X						X				X		X	X							
7	STP07/0.1	Feb 05, 2024		Soil	S24-Fe0026294	X						X		X		X		X	X							
8	STP07/0.5	Feb 05, 2024		Soil	S24-Fe0026295	X						X		X		X		X	X							
9	STP08/0.1	Feb 05, 2024		Soil	S24-Fe0026296	X						X		X		X		X	X							
10	STP08/0.4	Feb 05, 2024		Soil	S24-Fe0026297	X						X		X		X		X	X							
11	STP09/0.1	Feb 05, 2024		Soil	S24-Fe0026298	X						X				X		X	X							

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Received: Feb 9, 2024 6:07 PM
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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
12	STP09/0.3	Feb 05, 2024		Soil	S24-Fe0026299	X						X				X		X	X							
13	STP18/0.1	Feb 05, 2024		Soil	S24-Fe0026300	X						X				X		X	X							
14	STP27/0.1	Feb 05, 2024		Soil	S24-Fe0026301	X						X		X		X		X	X							
15	STP26/0.1	Feb 05, 2024		Soil	S24-Fe0026302	X						X		X		X		X	X							
16	STP26/0.5	Feb 05, 2024		Soil	S24-Fe0026303	X						X				X		X	X							
17	STP17/0.1	Feb 05, 2024		Soil	S24-Fe0026304	X						X				X		X	X							
18	STP17/0.6	Feb 05, 2024		Soil	S24-Fe0026305	X						X				X		X	X							
19	STP25/0.1	Feb 05, 2024		Soil	S24-Fe0026306											X		X	X		X					
20	STP25/0.3	Feb 05, 2024		Soil	S24-Fe0026307											X		X	X		X					
21	STP25/0.8	Feb 05, 2024		Soil	S24-Fe0026308											X		X	X		X					
22	STP10/0.1	Feb 05, 2024		Soil	S24-Fe0026309		X									X		X	X		X					
23	STP10/0.5	Feb 05, 2024		Soil	S24-Fe0026310											X		X	X		X					
24	STP10/0.9	Feb 05, 2024		Soil	S24-Fe0026311											X		X	X		X					
25	STP16/0.1	Feb 05, 2024		Soil	S24-Fe0026312											X		X	X		X					

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
26	STP16/0.4	Feb 05, 2024		Soil	S24-Fe0026313											X		X	X		X					
27	STP15/0.1	Feb 05, 2024		Soil	S24-Fe0026314	X						X				X		X	X							
28	STP14/0.1	Feb 05, 2024		Soil	S24-Fe0026315											X		X	X		X					
29	STP14/0.3	Feb 05, 2024		Soil	S24-Fe0026316											X		X	X		X					
30	STP34/0.2	Feb 06, 2024		Soil	S24-Fe0026317											X		X	X		X					
31	STP34/0.5	Feb 06, 2024		Soil	S24-Fe0026318											X		X	X		X					
32	STP34/1.0	Feb 06, 2024		Soil	S24-Fe0026319											X		X	X		X					
33	STP33/0.1	Feb 06, 2024		Soil	S24-Fe0026320											X		X	X		X					
34	STP33/0.4	Feb 06, 2024		Soil	S24-Fe0026321											X		X	X		X					
35	STP35/0.1	Feb 06, 2024		Soil	S24-Fe0026322											X		X	X		X					
36	STP35/0.5	Feb 06, 2024		Soil	S24-Fe0026323											X		X	X		X					
37	STP36/0.1	Feb 06, 2024		Soil	S24-Fe0026324											X		X	X		X					
38	STP36/0.4	Feb 06, 2024		Soil	S24-Fe0026325											X		X	X		X					
39	SHA05/0.1	Feb 06, 2024		Soil	S24-Fe0026326	X						X				X		X	X						X	

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Project ID: 30018043

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Phone: 02 9925 5555
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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
40	SHA05/0.5	Feb 06, 2024		Soil	S24-Fe0026327	X						X				X		X	X							
41	STP38/0.1	Feb 06, 2024		Soil	S24-Fe0026328											X		X	X		X					
42	STP38/0.3	Feb 06, 2024		Soil	S24-Fe0026329											X		X	X		X					
43	STP38/0.7	Feb 06, 2024		Soil	S24-Fe0026330											X		X	X		X					
44	STP37/0.1	Feb 06, 2024		Soil	S24-Fe0026331											X		X	X		X					
45	STP37/0.3	Feb 06, 2024		Soil	S24-Fe0026332											X		X	X		X					
46	STP37/0.7	Feb 06, 2024		Soil	S24-Fe0026333											X		X	X		X					
47	STP39/0.1	Feb 06, 2024		Soil	S24-Fe0026334											X		X	X		X					
48	STP39/0.5	Feb 06, 2024		Soil	S24-Fe0026335											X		X	X		X					
49	SHA06/0.1	Feb 06, 2024		Soil	S24-Fe0026336											X		X	X		X					
50	SHA06/0.5	Feb 06, 2024		Soil	S24-Fe0026337											X		X	X		X					
51	STP40/0.2	Feb 06, 2024		Soil	S24-Fe0026338											X		X	X		X					
52	STP40/0.5	Feb 06, 2024		Soil	S24-Fe0026339											X		X	X		X					
53	STP40/0.8	Feb 06, 2024		Soil	S24-Fe0026340											X		X	X		X					

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
54	STP42/0.1	Feb 06, 2024		Soil	S24-Fe0026341											X		X	X		X					
55	STP42/0.4	Feb 06, 2024		Soil	S24-Fe0026342											X		X	X		X					
56	STP45/0.1	Feb 06, 2024		Soil	S24-Fe0026343											X		X	X		X					
57	STP45/0.5	Feb 06, 2024		Soil	S24-Fe0026344		X									X		X	X		X					
58	STP45/1.5	Feb 06, 2024		Soil	S24-Fe0026345											X		X	X		X					
59	STP43/0.0	Feb 06, 2024		Soil	S24-Fe0026346											X		X	X		X					
60	STP43/0.1	Feb 06, 2024		Soil	S24-Fe0026347											X		X	X		X					
61	STP43/0.5	Feb 06, 2024		Soil	S24-Fe0026348											X		X	X		X					
62	SHA07/0.1	Feb 06, 2024		Soil	S24-Fe0026349											X		X	X		X					
63	SHA08/0.1	Feb 06, 2024		Soil	S24-Fe0026350										X	X		X	X		X					
64	SHA08/0.6	Feb 06, 2024		Soil	S24-Fe0026351										X	X		X	X		X					
65	SHA09/0.1	Feb 06, 2024		Soil	S24-Fe0026352											X		X	X		X					
66	SHA09/0.6	Feb 06, 2024		Soil	S24-Fe0026353											X		X	X		X					
67	SHA10/0.1	Feb 06, 2024		Soil	S24-Fe0026354											X		X	X		X					

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Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
68	STP46/0.1	Feb 06, 2024		Soil	S24-Fe0026355											X		X	X		X					
69	STP46/0.8	Feb 06, 2024		Soil	S24-Fe0026356											X		X	X		X					
70	STP47/0.1	Feb 06, 2024		Soil	S24-Fe0026357		X									X		X	X		X					
71	STP47/1.2	Feb 06, 2024		Soil	S24-Fe0026358											X		X	X		X					
72	STP47/1.7	Feb 06, 2024		Soil	S24-Fe0026359											X		X	X		X					
73	SHA48/0.2	Feb 06, 2024		Soil	S24-Fe0026360											X		X	X		X					
74	SHA48/0.6	Feb 06, 2024		Soil	S24-Fe0026361											X		X	X		X					
75	STP44/0.1	Feb 06, 2024		Soil	S24-Fe0026362	X						X				X		X	X							
76	STP44/0.5	Feb 06, 2024		Soil	S24-Fe0026363	X						X				X		X	X							
77	SHA11/0.1	Feb 06, 2024		Soil	S24-Fe0026364	X						X				X		X	X							
78	SHA12/0.1	Feb 06, 2024		Soil	S24-Fe0026365	X						X				X		X	X						X	
79	SHA12/0.5	Feb 06, 2024		Soil	S24-Fe0026366	X						X				X		X	X							
80	STP49/0.1	Feb 06, 2024		Soil	S24-Fe0026367	X						X				X		X	X							
81	STP49/0.5	Feb 06, 2024		Soil	S24-Fe0026368	X						X				X		X	X							

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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
82	STP01/0.1	Feb 07, 2024		Soil	S24-Fe0026369	X			X			X				X	X	X	X						X		
83	STP01/0.5	Feb 07, 2024		Soil	S24-Fe0026370	X			X			X				X	X	X	X								
84	STP06/0.1	Feb 07, 2024		Soil	S24-Fe0026371	X			X			X				X	X	X	X						X		
85	STP06/0.5	Feb 07, 2024		Soil	S24-Fe0026372	X			X			X				X	X	X	X								
86	STP19/0.1	Feb 07, 2024		Soil	S24-Fe0026373	X			X			X				X	X	X	X						X		
87	STP19/0.5	Feb 07, 2024		Soil	S24-Fe0026374	X			X			X				X	X	X	X								
88	STP24/0.1	Feb 07, 2024		Soil	S24-Fe0026375	X						X				X		X	X								
89	STP24/0.5	Feb 07, 2024		Soil	S24-Fe0026376	X						X				X		X	X								
90	STP23/0.1	Feb 07, 2024		Soil	S24-Fe0026377	X						X				X		X	X								
91	STP22/0.1	Feb 07, 2024		Soil	S24-Fe0026378											X		X	X		X						
92	STP22/0.5	Feb 07, 2024		Soil	S24-Fe0026379											X		X	X		X						
93	SHA01/0.1	Feb 07, 2024		Soil	S24-Fe0026380	X						X		X		X		X	X								
94	SHA02/0.1	Feb 07, 2024		Soil	S24-Fe0026381	X			X			X				X	X	X	X						X		
95	SHA02/0.5	Feb 07, 2024		Soil	S24-Fe0026382	X			X			X				X	X	X	X								

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Company Name: SMEC Australia Pty Ltd (SYD)
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
96	STP13/0.1	Feb 07, 2024		Soil	S24-Fe0026383					X			X			X		X	X		X				X	
97	STP13/0.5	Feb 07, 2024		Soil	S24-Fe0026384					X			X			X		X	X		X					
98	STP21/0.1	Feb 07, 2024		Soil	S24-Fe0026385											X		X	X		X					
99	STP21/0.7	Feb 07, 2024		Soil	S24-Fe0026386											X		X	X		X					
100	STP20/0.1	Feb 07, 2024		Soil	S24-Fe0026387											X		X	X		X					
101	STP20/0.7	Feb 07, 2024		Soil	S24-Fe0026388											X		X	X		X					
102	STP12/0.1	Feb 07, 2024		Soil	S24-Fe0026389		X									X		X	X		X					
103	STP12/0.5	Feb 07, 2024		Soil	S24-Fe0026390											X		X	X		X					
104	STP12/1.1	Feb 07, 2024		Soil	S24-Fe0026391											X		X	X		X					
105	STP11/0.1	Feb 07, 2024		Soil	S24-Fe0026392				X							X	X	X	X		X			X		
106	STP11/0.5	Feb 07, 2024		Soil	S24-Fe0026393				X								X		X							
107	STP11/1.1	Feb 07, 2024		Soil	S24-Fe0026394				X							X	X	X	X		X					
108	STP32/0.1	Feb 07, 2024		Soil	S24-Fe0026395				X							X	X	X	X		X			X		
109	STP32/0.5	Feb 07, 2024		Soil	S24-Fe0026396				X							X	X	X	X		X					

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
110	STP32/0.8	Feb 07, 2024		Soil	S24-Fe0026397				X								X		X							
111	SSED01	Feb 07, 2024		Sediment	S24-Fe0026398				X								X	X	X		X			X	X	
112	SSED02	Feb 07, 2024		Sediment	S24-Fe0026399				X								X	X	X		X			X	X	
113	STP41/0.1	Feb 07, 2024		Soil	S24-Fe0026400											X		X	X		X					
114	SHA15/0.1	Feb 07, 2024		Soil	S24-Fe0026401	X			X			X				X	X	X	X					X		
115	SHA15/0.5	Feb 07, 2024		Soil	S24-Fe0026402	X			X			X				X	X	X	X							
116	SHA03/0.1	Feb 07, 2024		Soil	S24-Fe0026403	X			X			X				X	X	X	X					X		
117	SHA03/0.5	Feb 07, 2024		Soil	S24-Fe0026404	X			X			X				X	X	X	X							
118	SHA29/0.1	Feb 08, 2024		Soil	S24-Fe0026405	X						X				X		X	X							
119	SHA29/0.6	Feb 08, 2024		Soil	S24-Fe0026406	X						X				X		X	X							
120	SHA28/0.1	Feb 08, 2024		Soil	S24-Fe0026407	X						X				X		X	X							
121	SHA30/0.1	Feb 08, 2024		Soil	S24-Fe0026408	X						X				X		X	X							
122	SHA30/0.6	Feb 08, 2024		Soil	S24-Fe0026409	X						X				X		X	X							
123	SHA31/0.1	Feb 08, 2024		Soil	S24-Fe0026410	X						X				X		X	X							

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
124	SHA04/0.1	Feb 08, 2024		Soil	S24-Fe0026411	X						X				X		X	X							
125	SHA04/0.5	Feb 08, 2024		Soil	S24-Fe0026412	X						X				X		X	X							
126	SHA13/0.1	Feb 08, 2024		Soil	S24-Fe0026413	X						X				X		X	X							
127	SHA13/0.5	Feb 08, 2024		Soil	S24-Fe0026414	X						X				X		X	X							
128	SHA14/0.0	Feb 08, 2024		Soil	S24-Fe0026415	X						X			X	X		X	X							
129	SHA14/0.5	Feb 08, 2024		Soil	S24-Fe0026416	X						X			X	X		X	X							
130	SHA16/0.1	Feb 08, 2024		Soil	S24-Fe0026417										X	X		X	X		X					
131	SHA16/0.4	Feb 08, 2024		Soil	S24-Fe0026418										X	X		X	X		X					
132	STP33/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026419		X																			
133	STP34/0.0-0.3-SOIL	Feb 08, 2024		Soil	S24-Fe0026420		X																			
134	STP35/0.0-0.5-SOIL	Feb 08, 2024		Soil	S24-Fe0026421		X																			
135	STP47/0.0-	Feb 08, 2024		Soil	S24-Fe0026422		X																			

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Project ID: 30018043

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Phone: 02 9925 5555
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Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
135	STP47/0.0-1.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026422																					
136	STP46/0.0-0.7-SOIL	Feb 08, 2024		Soil	S24-Fe0026423		X																			
137	STP42/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026424		X																			
138	STP45/0.0-1.1-SOIL	Feb 08, 2024		Soil	S24-Fe0026425		X																			
139	STP45/0.0-1.1-ACM	Feb 08, 2024		Building Materials	S24-Fe0026426			X																		
140	STP43/0.0-0.2-SOIL	Feb 08, 2024		Soil	S24-Fe0026427		X																			
141	ACM-01	Feb 07, 2024		Building Materials	S24-Fe0026428			X																		
142	ACM-02	Feb 06, 2024		Building Materials	S24-Fe0026429			X																		

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
143	SSW01	Feb 08, 2024		Water	S24-Fe0026430													X			X		X	X		
144	SSW02	Feb 08, 2024		Water	S24-Fe0026431													X			X		X	X		
145	SOIL TRIP BLANK 1	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026432																	X				
146	SOIL TRIP BLANK 2	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026433																	X				
147	SOIL TRIP BLANK 3	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026434																	X				
148	SOIL TRIP BLANK 4	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026435																	X				
149	SOIL TRIP SPIKE 1	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026436																					X
150	SOIL TRIP SPIKE 2	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026437																					X
151	SOIL TRIP SPIKE 3	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026438																					X

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
152	SOIL TRIP SPIKE 4	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026439																					X
153	PFAS BLANK	Feb 07, 2024		Water	S24-Fe0026440																				X	
154	QA02	Feb 05, 2024		Soil	S24-Fe0026441	X						X				X		X	X							
155	QA03	Feb 06, 2024		Soil	S24-Fe0026442											X		X	X		X					
156	QA04	Feb 06, 2024		Soil	S24-Fe0026443											X		X	X		X					
157	QA05	Feb 06, 2024		Soil	S24-Fe0026444											X		X	X		X					
158	QA06	Feb 06, 2024		Soil	S24-Fe0026445	X						X				X		X	X							
159	QA07	Feb 07, 2024		Soil	S24-Fe0026446				X								X		X					X		
160	QA08	Feb 07, 2024		Soil	S24-Fe0026447				X							X	X	X	X					X		
161	QA09	Feb 08, 2024		Soil	S24-Fe0026448											X		X	X							
162	QA10	Feb 08, 2024		Water	S24-Fe0026449													X			X		X	X		
163	RINSATE01	Feb 06, 2024		Water	S24-Fe0026450											X		X			X		X			
164	RINSATE02	Feb 07, 2024		Water	S24-Fe0026451											X		X			X		X	X		

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Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
165	EIL-02	Feb 08, 2024		Soil	S24-Fe0026452														X	X						
166	EIL-04	Feb 08, 2024		Soil	S24-Fe0026453														X	X						
167	STP02/0.7	Feb 05, 2024		Soil	S24-Fe0026458						X															
168	STP03/0.3	Feb 05, 2024		Soil	S24-Fe0026459						X															
169	STP03/0.8	Feb 05, 2024		Soil	S24-Fe0026460						X															
170	STP05/0.4	Feb 05, 2024		Soil	S24-Fe0026461						X															
171	STP05/0.9	Feb 05, 2024		Soil	S24-Fe0026462						X															
172	STP04/0.8	Feb 05, 2024		Soil	S24-Fe0026463						X															
173	STP07/0.8	Feb 05, 2024		Soil	S24-Fe0026464						X															
174	STP08/1.0	Feb 05, 2024		Soil	S24-Fe0026465						X															
175	STP09/0.7	Feb 05, 2024		Soil	S24-Fe0026466						X															
176	STP18/0.6	Feb 05, 2024		Soil	S24-Fe0026467						X															
177	STP27/0.3	Feb 05, 2024		Soil	S24-Fe0026468						X															
178	STP27/0.8	Feb 05, 2024		Soil	S24-Fe0026469						X															

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NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
179	STP26/1.0	Feb 05, 2024		Soil	S24-Fe0026470						X															
180	STP17/0.9	Feb 05, 2024		Soil	S24-Fe0026471						X															
181	STP16/1.0	Feb 05, 2024		Soil	S24-Fe0026472						X															
182	STP15/0.4	Feb 05, 2024		Soil	S24-Fe0026473						X															
183	STP15/0.8	Feb 05, 2024		Soil	S24-Fe0026474						X															
184	STP14/0.8	Feb 05, 2024		Soil	S24-Fe0026475						X															
185	STP34/0.0	Feb 06, 2024		Soil	S24-Fe0026476						X															
186	STP33/0.7	Feb 06, 2024		Soil	S24-Fe0026477						X															
187	STP35/0.8	Feb 06, 2024		Soil	S24-Fe0026478						X															
188	STP36/0.9	Feb 06, 2024		Soil	S24-Fe0026479						X															
189	STP39/1.0	Feb 06, 2024		Soil	S24-Fe0026480						X															
190	STP42/0.7	Feb 06, 2024		Soil	S24-Fe0026481						X															
191	STP45/1.0	Feb 06, 2024		Soil	S24-Fe0026482						X															
192	STP43/0.8	Feb 06, 2024		Soil	S24-Fe0026483						X															

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Project ID: 30018043

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Phone: 02 9925 5555
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Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
193	SHA07/0.6	Feb 06, 2024		Soil	S24-Fe0026484						X															
194	SHA10/0.5	Feb 06, 2024		Soil	S24-Fe0026485						X															
195	STP46/0.5	Feb 06, 2024		Soil	S24-Fe0026486						X															
196	STP47/0.6	Feb 06, 2024		Soil	S24-Fe0026487						X															
197	SHA11/0.5	Feb 06, 2024		Soil	S24-Fe0026488						X															
198	STP23/0.5	Feb 07, 2024		Soil	S24-Fe0026489						X															
199	SHA01/0.5	Feb 07, 2024		Soil	S24-Fe0026490						X															
200	STP41/0.6	Feb 07, 2024		Soil	S24-Fe0026491						X															
201	SHA28/0.6	Feb 08, 2024		Soil	S24-Fe0026492						X															
202	SHA31/0.6	Feb 08, 2024		Soil	S24-Fe0026493						X															
203	WATER TRIP BLANK 1	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026494																	X				
204	WATER TRIP BLANK 2	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026495																	X				

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Received: Feb 9, 2024 6:07 PM
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Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
205	WATER TRIP SPIKE 1	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026496																					X
206	WATER TRIP SPIKE 2	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026497																					X
207	QA01	Feb 05, 2024		Soil	S24-Fe0026498						X															
208	EIL-01	Feb 08, 2024		Soil	S24-Fe0026499						X															
209	EIL-03	Feb 08, 2024		Soil	S24-Fe0026500						X															
Test Counts						58	12	3	22	2	39	58	2	7	6	136	22	141	141	2	81	6	5	17	6	6

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/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Benzene	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.002			0.002	Pass	
4.4'-DDD	mg/L	< 0.0002			0.0002	Pass	
4.4'-DDE	mg/L	< 0.0002			0.0002	Pass	
4.4'-DDT	mg/L	< 0.0002			0.0002	Pass	
a-HCH	mg/L	< 0.0002			0.0002	Pass	
Aldrin	mg/L	< 0.0002			0.0002	Pass	
b-HCH	mg/L	< 0.0002			0.0002	Pass	
d-HCH	mg/L	< 0.0002			0.0002	Pass	
Dieldrin	mg/L	< 0.0002			0.0002	Pass	
Endosulfan I	mg/L	< 0.0002			0.0002	Pass	
Endosulfan II	mg/L	< 0.0002			0.0002	Pass	
Endosulfan sulphate	mg/L	< 0.0002			0.0002	Pass	
Endrin	mg/L	< 0.0002			0.0002	Pass	
Endrin aldehyde	mg/L	< 0.0002			0.0002	Pass	
Endrin ketone	mg/L	< 0.0002			0.0002	Pass	
g-HCH (Lindane)	mg/L	< 0.0002			0.0002	Pass	
Heptachlor	mg/L	< 0.0002			0.0002	Pass	
Heptachlor epoxide	mg/L	< 0.0002			0.0002	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobenzene	mg/L	< 0.0002			0.0002	Pass	
Methoxychlor	mg/L	< 0.0002			0.0002	Pass	
Toxaphene	mg/L	< 0.005			0.005	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/L	< 0.002			0.002	Pass	
Bolstar	mg/L	< 0.002			0.002	Pass	
Chlorfenvinphos	mg/L	< 0.02			0.02	Pass	
Chlorpyrifos	mg/L	< 0.002			0.002	Pass	
Chlorpyrifos-methyl	mg/L	< 0.002			0.002	Pass	
Coumaphos	mg/L	< 0.02			0.02	Pass	
Demeton-S	mg/L	< 0.002			0.002	Pass	
Demeton-O	mg/L	< 0.002			0.002	Pass	
Diazinon	mg/L	< 0.002			0.002	Pass	
Dichlorvos	mg/L	< 0.002			0.002	Pass	
Dimethoate	mg/L	< 0.002			0.002	Pass	
Disulfoton	mg/L	< 0.002			0.002	Pass	
EPN	mg/L	< 0.002			0.002	Pass	
Ethion	mg/L	< 0.002			0.002	Pass	
Ethoprop	mg/L	< 0.002			0.002	Pass	
Ethyl parathion	mg/L	< 0.002			0.002	Pass	
Fenitrothion	mg/L	< 0.002			0.002	Pass	
Fensulfothion	mg/L	< 0.002			0.002	Pass	
Fenthion	mg/L	< 0.002			0.002	Pass	
Malathion	mg/L	< 0.002			0.002	Pass	
Merphos	mg/L	< 0.002			0.002	Pass	
Methyl parathion	mg/L	< 0.002			0.002	Pass	
Mevinphos	mg/L	< 0.002			0.002	Pass	
Monocrotophos	mg/L	< 0.002			0.002	Pass	
Naled	mg/L	< 0.002			0.002	Pass	
Omethoate	mg/L	< 0.02			0.02	Pass	
Phorate	mg/L	< 0.002			0.002	Pass	
Pirimiphos-methyl	mg/L	< 0.02			0.02	Pass	
Pyrazophos	mg/L	< 0.002			0.002	Pass	
Ronnel	mg/L	< 0.002			0.002	Pass	
Terbufos	mg/L	< 0.002			0.002	Pass	
Tetrachlorvinphos	mg/L	< 0.002			0.002	Pass	
Tokuthion	mg/L	< 0.002			0.002	Pass	
Trichloronate	mg/L	< 0.002			0.002	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/L	< 0.005			0.005	Pass	
Aroclor-1221	mg/L	< 0.005			0.005	Pass	
Aroclor-1232	mg/L	< 0.005			0.005	Pass	
Aroclor-1242	mg/L	< 0.005			0.005	Pass	
Aroclor-1248	mg/L	< 0.005			0.005	Pass	
Aroclor-1254	mg/L	< 0.005			0.005	Pass	
Aroclor-1260	mg/L	< 0.005			0.005	Pass	
Total PCB*	mg/L	< 0.005			0.005	Pass	
Method Blank							
Nitrate & Nitrite (as N)	mg/L	< 0.05			0.05	Pass	
Nitrate (as N)	mg/L	< 0.02			0.02	Pass	
Nitrite (as N)	mg/L	< 0.02			0.02	Pass	
Phosphate total (as P)	mg/L	< 0.01			0.01	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Total Kjeldahl Nitrogen (as N)	mg/L	< 0.2			0.2	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.05			0.05	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.01			0.01	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.01			0.01	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.01			0.01	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.05			0.05	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.05			0.05	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.05			0.05	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.05			0.05	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.05			0.05	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.05			0.05	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.05			0.05	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.01			0.01	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.01			0.01	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.05			0.05	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Acid Herbicides							
2.4-D	mg/L	< 0.001			0.001	Pass	
2.4-DB	mg/L	< 0.001			0.001	Pass	
2.4.5-T	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4.5-TP	mg/L	< 0.001			0.001	Pass	
Actril (loxynil)	mg/L	< 0.001			0.001	Pass	
Dicamba	mg/L	< 0.001			0.001	Pass	
Dichlorprop	mg/L	< 0.001			0.001	Pass	
Dinitro-o-cresol	mg/L	< 0.001			0.001	Pass	
Dinoseb	mg/L	< 0.001			0.001	Pass	
MCPA	mg/L	< 0.001			0.001	Pass	
MCPB	mg/L	< 0.001			0.001	Pass	
Mecoprop	mg/L	< 0.001			0.001	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	109			70-130	Pass	
TRH C10-C14	%	97			70-130	Pass	
TRH C6-C10	%	108			70-130	Pass	
TRH >C10-C16	%	90			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	94			70-130	Pass	
1.1.1-Trichloroethane	%	73			70-130	Pass	
1.2-Dichlorobenzene	%	109			70-130	Pass	
1.2-Dichloroethane	%	90			70-130	Pass	
Benzene	%	116			70-130	Pass	
Ethylbenzene	%	110			70-130	Pass	
m&p-Xylenes	%	111			70-130	Pass	
o-Xylene	%	111			70-130	Pass	
Toluene	%	99			70-130	Pass	
Trichloroethene	%	73			70-130	Pass	
Xylenes - Total*	%	111			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	100			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	92			70-130	Pass	
Acenaphthylene	%	72			70-130	Pass	
Anthracene	%	103			70-130	Pass	
Benz(a)anthracene	%	79			70-130	Pass	
Benzo(a)pyrene	%	81			70-130	Pass	
Benzo(b&j)fluoranthene	%	74			70-130	Pass	
Benzo(g.h.i)perylene	%	79			70-130	Pass	
Benzo(k)fluoranthene	%	76			70-130	Pass	
Chrysene	%	79			70-130	Pass	
Dibenz(a.h)anthracene	%	70			70-130	Pass	
Fluoranthene	%	79			70-130	Pass	
Fluorene	%	109			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	73			70-130	Pass	
Naphthalene	%	84			70-130	Pass	
Phenanthrene	%	73			70-130	Pass	
Pyrene	%	94			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	78			70-130	Pass	
4.4'-DDD	%	79			70-130	Pass	
4.4'-DDE	%	95			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDT	%	107			70-130	Pass	
a-HCH	%	75			70-130	Pass	
Aldrin	%	70			70-130	Pass	
b-HCH	%	76			70-130	Pass	
d-HCH	%	76			70-130	Pass	
Dieldrin	%	94			70-130	Pass	
Endosulfan I	%	111			70-130	Pass	
Endosulfan II	%	77			70-130	Pass	
Endosulfan sulphate	%	74			70-130	Pass	
Endrin	%	91			70-130	Pass	
Endrin aldehyde	%	70			70-130	Pass	
Endrin ketone	%	87			70-130	Pass	
g-HCH (Lindane)	%	77			70-130	Pass	
Heptachlor	%	88			70-130	Pass	
Heptachlor epoxide	%	84			70-130	Pass	
Hexachlorobenzene	%	70			70-130	Pass	
Methoxychlor	%	121			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Ethion	%	92			70-130	Pass	
Fenitrothion	%	76			70-130	Pass	
Methyl parathion	%	92			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	99			70-130	Pass	
Aroclor-1260	%	95			70-130	Pass	
LCS - % Recovery							
Nitrate & Nitrite (as N)	%	106			70-130	Pass	
Nitrite (as N)	%	90			70-130	Pass	
Phosphate total (as P)	%	114			70-130	Pass	
Total Kjeldahl Nitrogen (as N)	%	79			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	93			80-120	Pass	
Cadmium	%	86			80-120	Pass	
Chromium	%	88			80-120	Pass	
Copper	%	85			80-120	Pass	
Lead	%	88			80-120	Pass	
Mercury	%	90			80-120	Pass	
Nickel	%	86			80-120	Pass	
Zinc	%	85			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	104			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	120			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	106			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	113			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	112			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	112			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	121			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	132			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	117			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	138			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	127			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	98			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	96			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	114			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	108			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	124			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	106			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	128			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	121			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	93			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	115			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	102			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	118			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	125			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	108			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	92			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	116			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	116			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	116			50-150	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	91			70-130	Pass	
2.4-DB	%	87			70-130	Pass	
2.4.5-T	%	87			70-130	Pass	
2.4.5-TP	%	105			70-130	Pass	
Actril (loxynil)	%	77			70-130	Pass	
Dicamba	%	82			70-130	Pass	
Dichlorprop	%	102			70-130	Pass	
Dinitro-o-cresol	%	112			70-130	Pass	
Dinoseb	%	128			70-130	Pass	
MCPA	%	75			70-130	Pass	
MCPB	%	83			70-130	Pass	
Mecoprop	%	77			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S24-Fe0032517	NCP	%	108			70-130	Pass	
TRH >C10-C16	S24-Fe0026864	NCP	%	130			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-Fe0029546	NCP	%	72			70-130	Pass	
Acenaphthylene	S24-Fe0029546	NCP	%	70			70-130	Pass	
Benz(a)anthracene	S24-Fe0029546	NCP	%	79			70-130	Pass	
Benzo(a)pyrene	S24-Fe0029546	NCP	%	85			70-130	Pass	
Benzo(b&j)fluoranthene	S24-Fe0029546	NCP	%	88			70-130	Pass	
Benzo(g.h.i)perylene	S24-Fe0029546	NCP	%	93			70-130	Pass	
Benzo(k)fluoranthene	S24-Fe0029546	NCP	%	76			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chrysene	S24-Fe0029546	NCP	%	74			70-130	Pass	
Dibenz(a.h)anthracene	S24-Fe0029546	NCP	%	88			70-130	Pass	
Fluorene	S24-Fe0029546	NCP	%	71			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0029546	NCP	%	84			70-130	Pass	
Spike - % Recovery									
				Result 1					
Total Kjeldahl Nitrogen (as N)	S24-Fe0026430	CP	%	96			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	R24-Fe0030398	NCP	%	102			75-125	Pass	
Cadmium	R24-Fe0030398	NCP	%	101			75-125	Pass	
Chromium	R24-Fe0030398	NCP	%	101			75-125	Pass	
Copper	R24-Fe0030398	NCP	%	102			75-125	Pass	
Lead	R24-Fe0030398	NCP	%	101			75-125	Pass	
Mercury	R24-Fe0030398	NCP	%	100			75-125	Pass	
Nickel	R24-Fe0030398	NCP	%	103			75-125	Pass	
Zinc	R24-Fe0030398	NCP	%	100			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S24-Fe0025966	NCP	%	96			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0025966	NCP	%	92			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0025966	NCP	%	108			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0025966	NCP	%	110			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0025966	NCP	%	116			50-150	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0025966	NCP	%	113			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0025966	NCP	%	121			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0025966	NCP	%	106			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0025966	NCP	%	97			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0015341	NCP	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0025966	NCP	%	112			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S24-Fe0025966	NCP	%	107			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0025966	NCP	%	103			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0025966	NCP	%	119			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0025966	NCP	%	113			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0025966	NCP	%	96			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0025966	NCP	%	91			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0025966	NCP	%	107			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0025966	NCP	%	123			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Fe0025966	NCP	%	95			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0025966	NCP	%	94			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0025966	NCP	%	109			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0025966	NCP	%	122			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0025966	NCP	%	117			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0015341	NCP	%	126			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0025966	NCP	%	83			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0025966	NCP	%	114			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0025966	NCP	%	56			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0015341	NCP	%	85			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0025966	NCP	%	100			50-150	Pass	
Spike - % Recovery									
				Result 1					
Phosphate total (as P)	S24-Fe0030091	NCP	%	110			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S24-Fe0035298	NCP	%	84			70-130	Pass	
TRH C6-C10	S24-Fe0035298	NCP	%	82			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S24-Fe0035298	NCP	%	115			70-130	Pass	
Ethylbenzene	S24-Fe0035298	NCP	%	101			70-130	Pass	
m&p-Xylenes	S24-Fe0035298	NCP	%	98			70-130	Pass	
o-Xylene	S24-Fe0035298	NCP	%	99			70-130	Pass	
Toluene	S24-Fe0035298	NCP	%	93			70-130	Pass	
Xylenes - Total*	S24-Fe0035298	NCP	%	99			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S24-Fe0035298	NCP	%	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	S24-Fe0026868	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S24-Fe0026868	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S24-Fe0026868	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	S24-Fe0026868	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S24-Fe0026868	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S24-Fe0026868	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	S24-Fe0025888	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Nitrite (as N)	S24-Fe0025888	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Total Kjeldahl Nitrogen (as N)	S24-Fe0026430	CP	mg/L	0.4	0.5	22	30%	Pass	

Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Fe0011183	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0042472	NCP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0042472	NCP	ug/L	< 0.01	< 0.01	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Phosphate total (as P)	S24-Fe0030090	NCP	mg/L	0.06	0.06	12	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026450	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	S24-Fe0026450	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S24-Fe0026450	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	S24-Fe0026450	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S24-Fe0026450	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S24-Fe0026450	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S24-Fe0026450	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc	S24-Fe0026450	CP	mg/L	< 0.005	0.008	180	30%	Fail	Q15
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
2.4-DB	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
2.4.5-T	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
2.4.5-TP	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Actril (loxynil)	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dicamba	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dichlorprop	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dinitro-o-cresol	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dinoseb	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
MCPA	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
MCPB	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Mecoprop	M24-Fe0046338	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026053	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	S24-Fe0026053	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Benzene	S24-Fe0026053	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S24-Fe0026053	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026053	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S24-Fe0026053	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S24-Fe0026053	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026053	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026053	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

Microbiological analysis performed by: Eurofins Food Testing, NATA accreditation number 20293, report reference: AR-24-NV-003093-01.

This report has been revised (V2) following repeat analysis. Nitrate, nitrite and phosphate results for sample 24-Fe0026451 have now been replaced by the repeat results.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	.3°C
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	Yes

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
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Adam Bateup	Analytical Services Manager
Fang Yee Tan	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Inorganic
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1067428-S-V2**
Project name LEPPINGTON - ADJACENT LOTS
Project ID 30018043
Received Date Feb 09, 2024

Client Sample ID			**STP02/0.1**	**STP02/0.4**	**STP03/0.1**	**STP05/0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Fe0026288**	**S24-Fe0026289**	**S24-Fe0026290**	**S24-Fe0026291**
Date Sampled			**Feb 05, 2024**	**Feb 05, 2024**	**Feb 05, 2024**	**Feb 05, 2024**
Test/Reference	LOR	Unit				
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	0.21	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	0.09	< 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	0.3	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.3	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	117	111	88	75
Tetrachloro-m-xylene (surr.)	1	%	80	98	88	90
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

Client Sample ID			STP02/0.1	STP02/0.4	STP03/0.1	STP05/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026288	S24-Fe0026289	S24-Fe0026290	S24-Fe0026291
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	90	99	94	89
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	117	111	88	75
Tetrachloro-m-xylene (surr.)	1	%	80	98	88	90
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP02/0.1	STP02/0.4	STP03/0.1	STP05/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026288	S24-Fe0026289	S24-Fe0026290	S24-Fe0026291
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	129	130	131	99
Heavy Metals						
Arsenic	2	mg/kg	9.0	6.8	6.6	7.2
Lead	5	mg/kg	28	16	25	24
Sample Properties						
% Moisture	1	%	22	19	35	14
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	730
Total Nitrogen (as N)*	10	mg/kg	-	-	-	730
Phosphorus	5	mg/kg	-	-	-	1100

Client Sample ID			STP04/0.1	STP04/0.5	STP07/0.1	STP07/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026292	S24-Fe0026293	S24-Fe0026294	S24-Fe0026295
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
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	0.29	0.07	0.59	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	0.19	< 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	0.29	0.07	0.78	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.29	< 0.1	0.78	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			STP04/0.1	STP04/0.5	STP07/0.1	STP07/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026292	S24-Fe0026293	S24-Fe0026294	S24-Fe0026295
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dibutylchlorendate (surr.)	1	%	81	104	106	84
Tetrachloro-m-xylene (surr.)	1	%	88	93	87	98
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	88	99	91	95
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	81	104	106	84
Tetrachloro-m-xylene (surr.)	1	%	88	93	87	98

Client Sample ID			STP04/0.1	STP04/0.5	STP07/0.1	STP07/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026292	S24-Fe0026293	S24-Fe0026294	S24-Fe0026295
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	101	102	95	135
Heavy Metals						
Arsenic	2	mg/kg	9.5	4.8	9.2	3.2
Lead	5	mg/kg	37	18	170	14
Zinc	5	mg/kg	-	-	990	78
Sample Properties						
% Moisture	1	%	10	13	19	12

Client Sample ID			STP08/0.1	STP08/0.4	STP09/0.1	STP09/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026296	S24-Fe0026297	S24-Fe0026298	S24-Fe0026299
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	0.29	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			STP08/0.1	STP08/0.4	STP09/0.1	STP09/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026296	S24-Fe0026297	S24-Fe0026298	S24-Fe0026299
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	0.29	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	0.29	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	74	88	90	73
Tetrachloro-m-xylene (surr.)	1	%	92	88	86	81
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	84	86	93	111
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			STP08/0.1	STP08/0.4	STP09/0.1	STP09/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026296	S24-Fe0026297	S24-Fe0026298	S24-Fe0026299
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	74	88	90	73
Tetrachloro-m-xylene (surr.)	1	%	92	88	86	81
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	130	108	99	101
Heavy Metals						
Arsenic	2	mg/kg	11	8.7	4.6	4.0
Lead	5	mg/kg	76	29	29	19
Zinc	5	mg/kg	550	140	-	-
Sample Properties						
% Moisture	1	%	14	15	18	19

Client Sample ID			STP18/0.1	STP27/0.1	STP26/0.1	STP26/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026300	S24-Fe0026301	S24-Fe0026302	S24-Fe0026303
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			STP18/0.1	STP27/0.1	STP26/0.1	STP26/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026300	S24-Fe0026301	S24-Fe0026302	S24-Fe0026303
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	85	83	88	89
Tetrachloro-m-xylene (surr.)	1	%	91	87	88	86
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	97	88	104	99

Client Sample ID			STP18/0.1	STP27/0.1	STP26/0.1	STP26/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026300	S24-Fe0026301	S24-Fe0026302	S24-Fe0026303
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	85	83	88	89
Tetrachloro-m-xylene (surr.)	1	%	91	87	88	86
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	99	95	143	136
Heavy Metals						
Arsenic	2	mg/kg	5.0	7.9	6.9	6.3
Lead	5	mg/kg	26	30	20	18
Zinc	5	mg/kg	-	83	60	-
Sample Properties						
% Moisture	1	%	14	38	21	20

Client Sample ID			STP17/0.1	STP17/0.6	STP25/0.1	STP25/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026304	S24-Fe0026305	S24-Fe0026306	S24-Fe0026307
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
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	0.12	< 0.05	0.07	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	0.09	< 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

Client Sample ID			STP17/0.1	STP17/0.6	STP25/0.1	STP25/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026304	S24-Fe0026305	S24-Fe0026306	S24-Fe0026307
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	0.12	< 0.05	0.16	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.12	< 0.1	0.16	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	88	87	73	104
Tetrachloro-m-xylene (surr.)	1	%	86	84	80	92
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP17/0.1	STP17/0.6	STP25/0.1	STP25/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026304	S24-Fe0026305	S24-Fe0026306	S24-Fe0026307
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	96	96	91	94
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	88	87	73	104
Tetrachloro-m-xylene (surr.)	1	%	86	84	80	92
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	99	81	96	98
Heavy Metals						
Arsenic	2	mg/kg	6.0	3.9	5.0	5.1
Cadmium	0.4	mg/kg	-	-	< 0.4	< 0.4
Chromium	5	mg/kg	-	-	28	23
Copper	5	mg/kg	-	-	42	38
Lead	5	mg/kg	42	19	29	22
Mercury	0.1	mg/kg	-	-	< 0.1	< 0.1
Nickel	5	mg/kg	-	-	14	15
Zinc	5	mg/kg	-	-	78	63
Sample Properties						
% Moisture	1	%	14	2.5	23	14
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	51	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	51	< 50
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50

Client Sample ID			STP17/0.1	STP17/0.6	STP25/0.1	STP25/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026304	S24-Fe0026305	S24-Fe0026306	S24-Fe0026307
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			STP17/0.1	STP17/0.6	STP25/0.1	STP25/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026304	S24-Fe0026305	S24-Fe0026306	S24-Fe0026307
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	82	98
Toluene-d8 (surr.)	1	%	-	-	51	63
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	1.2
Acenaphthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	76	87
p-Terphenyl-d14 (surr.)	1	%	-	-	81	89

Client Sample ID			STP25/0.8	STP10/0.1	STP10/0.5	STP10/0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026308	S24-Fe0026309	S24-Fe0026310	S24-Fe0026311
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
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	0.10	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	0.79	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	0.38	< 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	1.27	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	1.27	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	72	72	88	87
Tetrachloro-m-xylene (surr.)	1	%	76	85	102	106
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP25/0.8	STP10/0.1	STP10/0.5	STP10/0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026308	S24-Fe0026309	S24-Fe0026310	S24-Fe0026311
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	93	62	92	94
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	72	72	88	87
Tetrachloro-m-xylene (surr.)	1	%	76	85	102	106
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	100	96	105	141
Heavy Metals						
Arsenic	2	mg/kg	3.8	16	5.8	4.5
Cadmium	0.4	mg/kg	< 0.4	3.2	< 0.4	< 0.4
Chromium	5	mg/kg	9.3	32	22	14
Copper	5	mg/kg	24	110	43	39
Lead	5	mg/kg	12	210	21	11
Mercury	0.1	mg/kg	< 0.1	2.4	< 0.1	< 0.1
Nickel	5	mg/kg	5.5	23	17	19
Zinc	5	mg/kg	29	1500	80	96
Sample Properties						
% Moisture	1	%	27	19	13	8.6

Client Sample ID			STP25/0.8	STP10/0.1	STP10/0.5	STP10/0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026308	S24-Fe0026309	S24-Fe0026310	S24-Fe0026311
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 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	60	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	60	< 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	71	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	71	< 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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP25/0.8	STP10/0.1	STP10/0.5	STP10/0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026308	S24-Fe0026309	S24-Fe0026310	S24-Fe0026311
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	90	89	82	91
Toluene-d8 (surr.)	1	%	60	102	103	113
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	85	70	96	101
p-Terphenyl-d14 (surr.)	1	%	83	74	102	101

Client Sample ID			STP16/0.1	STP16/0.4	STP15/0.1	STP14/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026312	S24-Fe0026313	S24-Fe0026314	S24-Fe0026315
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.06
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.06
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	89	115	88	133
Tetrachloro-m-xylene (surr.)	1	%	99	98	104	106
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP16/0.1	STP16/0.4	STP15/0.1	STP14/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026312	S24-Fe0026313	S24-Fe0026314	S24-Fe0026315
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	93	117	90	115
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	89	115	88	133
Tetrachloro-m-xylene (surr.)	1	%	99	98	104	106
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	138	139	96	142
Heavy Metals						
Arsenic	2	mg/kg	3.7	3.8	5.4	6.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	< 0.4
Chromium	5	mg/kg	19	21	-	27
Copper	5	mg/kg	33	46	-	41
Lead	5	mg/kg	19	32	22	28
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	18	18	-	14
Zinc	5	mg/kg	83	71	-	65
Sample Properties						
% Moisture	1	%	14	16	15	16

Client Sample ID			STP16/0.1	STP16/0.4	STP15/0.1	STP14/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026312	S24-Fe0026313	S24-Fe0026314	S24-Fe0026315
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			STP16/0.1	STP16/0.4	STP15/0.1	STP14/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026312	S24-Fe0026313	S24-Fe0026314	S24-Fe0026315
Date Sampled			Feb 05, 2024	Feb 05, 2024	Feb 05, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	80	94	-	94
Toluene-d8 (surr.)	1	%	91	101	-	113
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	103	90	-	95
p-Terphenyl-d14 (surr.)	1	%	124	108	-	112

Client Sample ID			STP14/0.3	[G01]STP34/0.2	STP34/0.5	STP34/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026316	S24-Fe0026317	S24-Fe0026318	S24-Fe0026319
Date Sampled			Feb 05, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 10	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	109	54	119	128
Tetrachloro-m-xylene (surr.)	1	%	88	101	94	105
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 5	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2

Client Sample ID			STP14/0.3	[G01]STP34/0.2	STP34/0.5	STP34/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026316	S24-Fe0026317	S24-Fe0026318	S24-Fe0026319
Date Sampled			Feb 05, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 5	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 5	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	113	83	99	114
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	109	54	119	128
Tetrachloro-m-xylene (surr.)	1	%	88	101	94	105
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	94	92	93	102
Heavy Metals						
Arsenic	2	mg/kg	4.9	5.6	6.6	3.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	15	19	12
Copper	5	mg/kg	28	23	15	24
Lead	5	mg/kg	19	20	18	9.0
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	7.1	7.8	8.0
Zinc	5	mg/kg	50	38	31	44
Sample Properties						
% Moisture	1	%	20	20	16	10

Client Sample ID			STP14/0.3	[G01]STP34/0.2	STP34/0.5	STP34/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026316	S24-Fe0026317	S24-Fe0026318	S24-Fe0026319
Date Sampled			Feb 05, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 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	53	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	53	< 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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP14/0.3	[G01]STP34/0.2	STP34/0.5	STP34/1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026316	S24-Fe0026317	S24-Fe0026318	S24-Fe0026319
Date Sampled			Feb 05, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	INT	INT	55	89
Toluene-d8 (surr.)	1	%	INT	INT	59	118
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	96	87	83	95
p-Terphenyl-d14 (surr.)	1	%	110	108	100	113

Client Sample ID			STP33/0.1	STP33/0.4	[G01]STP35/0.1	STP35/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026320	S24-Fe0026321	S24-Fe0026322	S24-Fe0026323
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	101	82	96	107
Tetrachloro-m-xylene (surr.)	1	%	104	95	100	102
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2

Client Sample ID			STP33/0.1	STP33/0.4	[G01]STP35/0.1	STP35/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026320	S24-Fe0026321	S24-Fe0026322	S24-Fe0026323
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 5	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 5	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	116	113	93	116
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	101	82	96	107
Tetrachloro-m-xylene (surr.)	1	%	104	95	100	102
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	93	134	128	134
Heavy Metals						
Arsenic	2	mg/kg	6.3	6.9	4.2	5.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	21	19	15
Copper	5	mg/kg	30	22	30	22
Lead	5	mg/kg	21	19	54	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.8	11	17	8.5
Zinc	5	mg/kg	57	36	100	36
Sample Properties						
% Moisture	1	%	22	18	14	11

Client Sample ID			STP33/0.1	STP33/0.4	[G01]STP35/0.1	STP35/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026320	S24-Fe0026321	S24-Fe0026322	S24-Fe0026323
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP33/0.1	STP33/0.4	[G01]STP35/0.1	STP35/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026320	S24-Fe0026321	S24-Fe0026322	S24-Fe0026323
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	59	50	INT	66
Toluene-d8 (surr.)	1	%	64	58	INT	71
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	105	88	87	88
p-Terphenyl-d14 (surr.)	1	%	113	107	104	102

Client Sample ID			[G01]STP36/0.1	STP36/0.4	SHA05/0.1	SHA05/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026324	S24-Fe0026325	S24-Fe0026326	S24-Fe0026327
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	100	104	81
Tetrachloro-m-xylene (surr.)	1	%	98	91	91	68
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2

Client Sample ID			[G01]STP36/0.1	STP36/0.4	SHA05/0.1	SHA05/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026324	S24-Fe0026325	S24-Fe0026326	S24-Fe0026327
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 5	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	64	94	92	76
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	100	104	81
Tetrachloro-m-xylene (surr.)	1	%	98	91	91	68
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	88	92	71	75
Heavy Metals						
Arsenic	2	mg/kg	8.3	6.0	6.9	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	23	22	-	-
Copper	5	mg/kg	28	25	-	-
Lead	5	mg/kg	28	24	23	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	14	13	-	-
Zinc	5	mg/kg	78	52	-	-
Sample Properties						
% Moisture	1	%	18	17	7.9	14

Client Sample ID			[G01]STP36/0.1	STP36/0.4	SHA05/0.1	SHA05/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026324	S24-Fe0026325	S24-Fe0026326	S24-Fe0026327
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Nitrate & Nitrite (as N)	5	mg/kg	-	-	540	-
Nitrate (as N)	5	mg/kg	-	-	540	-
Nitrite (as N)	5	mg/kg	-	-	< 5	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	420	-
Total Nitrogen (as N)*	10	mg/kg	-	-	960	-
Phosphorus	5	mg/kg	-	-	860	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			[G01]STP36/0.1	STP36/0.4	SHA05/0.1	SHA05/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026324	S24-Fe0026325	S24-Fe0026326	S24-Fe0026327
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	54	87	-	-
Toluene-d8 (surr.)	1	%	59	94	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.9	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	0.5	< 0.5	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			[G01]STP36/0.1	STP36/0.4	SHA05/0.1	SHA05/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026324	S24-Fe0026325	S24-Fe0026326	S24-Fe0026327
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Total PAH*	0.5	mg/kg	0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	87	84	-	-
p-Terphenyl-d14 (surr.)	1	%	94	84	-	-

Client Sample ID			[G01]STP38/0.1	STP38/0.3	STP38/0.7	[G01]STP37/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026328	S24-Fe0026329	S24-Fe0026330	S24-Fe0026331
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	59	79	131	107
Tetrachloro-m-xylene (surr.)	1	%	64	87	102	77
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5

Client Sample ID			[G01]STP38/0.1	STP38/0.3	STP38/0.7	[G01]STP37/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026328	S24-Fe0026329	S24-Fe0026330	S24-Fe0026331
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	60	63	117	68
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	59	79	131	107
Tetrachloro-m-xylene (surr.)	1	%	64	87	102	77
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]STP38/0.1	STP38/0.3	STP38/0.7	[G01]STP37/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026328	S24-Fe0026329	S24-Fe0026330	S24-Fe0026331
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	117	138	70	134
Heavy Metals						
Arsenic	2	mg/kg	< 2	12	5.4	3.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	18	18	10
Copper	5	mg/kg	30	21	22	30
Lead	5	mg/kg	10	16	21	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.4	12	9.3	7.3
Zinc	5	mg/kg	160	45	32	62
Sample Properties						
% Moisture	1	%	43	17	15	26
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	570	< 50	54	< 50
TRH C29-C36	50	mg/kg	230	< 50	< 50	57
TRH C10-C36 (Total)	50	mg/kg	800	< 50	54	57
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	58	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	58	< 50
TRH >C16-C34	100	mg/kg	710	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	150	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	860	< 100	< 100	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]STP38/0.1	STP38/0.3	STP38/0.7	[G01]STP37/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026328	S24-Fe0026329	S24-Fe0026330	S24-Fe0026331
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	66	92	83	111
Toluene-d8 (surr.)	1	%	69	93	89	119
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

Client Sample ID			[G01]STP38/0.1	STP38/0.3	STP38/0.7	[G01]STP37/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026328	S24-Fe0026329	S24-Fe0026330	S24-Fe0026331
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	65	71	90	56
p-Terphenyl-d14 (surr.)	1	%	76	76	112	78

Client Sample ID			STP37/0.3	STP37/0.7	[G01]STP39/0.1	STP39/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026332	S24-Fe0026333	S24-Fe0026334	S24-Fe0026335
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	77	111	87	INT
Tetrachloro-m-xylene (surr.)	1	%	78	71	99	122

Client Sample ID			STP37/0.3	STP37/0.7	[G01]STP39/0.1	STP39/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026332	S24-Fe0026333	S24-Fe0026334	S24-Fe0026335
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 5	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 5	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	69	81	94	133
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	77	111	87	INT
Tetrachloro-m-xylene (surr.)	1	%	78	71	99	122

Client Sample ID			STP37/0.3	STP37/0.7	[G01]STP39/0.1	STP39/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026332	S24-Fe0026333	S24-Fe0026334	S24-Fe0026335
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	94	73	139	138
Heavy Metals						
Arsenic	2	mg/kg	5.0	5.6	3.1	4.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	16	19	13	19
Copper	5	mg/kg	24	26	47	23
Lead	5	mg/kg	25	25	25	26
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	9.9	13	16
Zinc	5	mg/kg	57	40	60	63
Sample Properties						
% Moisture	1	%	21	11	17	23
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	22	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	130	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	240	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	392	< 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	280	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	350	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	630	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP37/0.3	STP37/0.7	[G01]STP39/0.1	STP39/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026332	S24-Fe0026333	S24-Fe0026334	S24-Fe0026335
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	80	83	66	54
Toluene-d8 (surr.)	1	%	84	88	65	55
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP37/0.3	STP37/0.7	[G01]STP39/0.1	STP39/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026332	S24-Fe0026333	S24-Fe0026334	S24-Fe0026335
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	2.1	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	2.4	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	2.6	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	0.8	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	1.6	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	1.4	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	1.8	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	1.4	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	1.2	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	2.2	< 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	1.4	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	2.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	15	< 0.5
2-Fluorobiphenyl (surr.)	1	%	65	70	83	50
p-Terphenyl-d14 (surr.)	1	%	68	75	108	130

Client Sample ID			SHA06/0.1	SHA06/0.5	[G01]STP40/0.2	STP40/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026336	S24-Fe0026337	S24-Fe0026338	S24-Fe0026339
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05

Client Sample ID			SHA06/0.1	SHA06/0.5	[G01]STP40/0.2	STP40/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026336	S24-Fe0026337	S24-Fe0026338	S24-Fe0026339
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	138	129	57	92
Tetrachloro-m-xylene (surr.)	1	%	110	85	84	79
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 5	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 5	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	118	91	73	82
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1

Client Sample ID			SHA06/0.1	SHA06/0.5	[G01]STP40/0.2	STP40/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026336	S24-Fe0026337	S24-Fe0026338	S24-Fe0026339
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	138	129	57	92
Tetrachloro-m-xylene (surr.)	1	%	110	85	84	79
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	76	100	69	71
Heavy Metals						
Arsenic	2	mg/kg	5.5	3.8	7.0	5.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	16	14	20
Copper	5	mg/kg	29	26	23	24
Lead	5	mg/kg	18	13	29	21
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	9.8	10	11
Zinc	5	mg/kg	61	45	58	41
Sample Properties						
% Moisture	1	%	8.9	14	21	20
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	140	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	350	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	490	< 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	390	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	300	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	690	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			SHA06/0.1	SHA06/0.5	[G01]STP40/0.2	STP40/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026336	S24-Fe0026337	S24-Fe0026338	S24-Fe0026339
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3

Client Sample ID			SHA06/0.1	SHA06/0.5	[G01]STP40/0.2	STP40/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026336	S24-Fe0026337	S24-Fe0026338	S24-Fe0026339
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	105	122	72	INT
Toluene-d8 (surr.)	1	%	104	126	78	INT
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94	79	62	71
p-Terphenyl-d14 (surr.)	1	%	107	98	90	78

Client Sample ID			STP40/0.8	[G01]STP42/0.1	STP42/0.4	[G01]STP45/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026340	S24-Fe0026341	S24-Fe0026342	S24-Fe0026343
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5

Client Sample ID			STP40/0.8	[G01]STP42/0.1	STP42/0.4	[G01]STP45/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026340	S24-Fe0026341	S24-Fe0026342	S24-Fe0026343
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 10	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	116	INT	104	58
Tetrachloro-m-xylene (surr.)	1	%	105	79	75	78
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	< 5	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	< 5	< 2	< 5
Naled	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	< 5	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5

Client Sample ID			STP40/0.8	[G01]STP42/0.1	STP42/0.4	[G01]STP45/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026340	S24-Fe0026341	S24-Fe0026342	S24-Fe0026343
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Tokuthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	113	69	83	INT
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	116	INT	104	58
Tetrachloro-m-xylene (surr.)	1	%	105	79	75	78
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	75	78	72	71
Heavy Metals						
Arsenic	2	mg/kg	7.0	2.8	5.8	5.2
Cadmium	0.4	mg/kg	< 0.4	0.6	< 0.4	< 0.4
Chromium	5	mg/kg	17	20	20	18
Copper	5	mg/kg	25	63	24	36
Lead	5	mg/kg	20	26	20	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.2	44	9.1	18
Zinc	5	mg/kg	30	150	45	81
Sample Properties						
% Moisture	1	%	18	26	20	22
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	31	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	170	< 50	120
TRH C29-C36	50	mg/kg	< 50	250	< 50	170
TRH C10-C36 (Total)	50	mg/kg	< 50	451	< 50	290
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

Client Sample ID			STP40/0.8	[G01]STP42/0.1	STP42/0.4	[G01]STP45/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026340	S24-Fe0026341	S24-Fe0026342	S24-Fe0026343
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C16-C34	100	mg/kg	< 100	310	< 100	220
TRH >C34-C40	100	mg/kg	< 100	340	< 100	230
TRH >C10-C40 (total)*	100	mg/kg	< 100	650	< 100	450
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP40/0.8	[G01]STP42/0.1	STP42/0.4	[G01]STP45/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026340	S24-Fe0026341	S24-Fe0026342	S24-Fe0026343
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	103	127	115	136
Toluene-d8 (surr.)	1	%	106	132	117	133
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	0.9	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	0.8	< 0.5	0.8
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	2.0	< 0.5	0.8
2-Fluorobiphenyl (surr.)	1	%	92	64	62	62
p-Terphenyl-d14 (surr.)	1	%	111	78	76	76

Client Sample ID			[G01]STP45/0.5	STP45/1.5	[G01]STP43/0.0	[G01]STP43/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026344	S24-Fe0026345	S24-Fe0026346	S24-Fe0026347
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 10	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	80	117	87	86
Tetrachloro-m-xylene (surr.)	1	%	102	91	78	81
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Coumaphos	2	mg/kg	< 5	< 2	< 5	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5

Client Sample ID			[G01]STP45/0.5	STP45/1.5	[G01]STP43/0.0	[G01]STP43/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026344	S24-Fe0026345	S24-Fe0026346	S24-Fe0026347
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 5	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 5	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Triphenylphosphate (surr.)	1	%	84	87	66	54
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	80	117	87	86
Tetrachloro-m-xylene (surr.)	1	%	102	91	78	81
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	99	97	104	98
Heavy Metals						
Arsenic	2	mg/kg	4.9	5.9	5.7	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	16	20	8.6
Copper	5	mg/kg	33	37	19	29
Lead	5	mg/kg	20	17	21	10
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.3	13	11	23
Zinc	5	mg/kg	67	75	41	73
Sample Properties						
% Moisture	1	%	25	16	13	17

Client Sample ID			[G01]STP45/0.5	STP45/1.5	[G01]STP43/0.0	[G01]STP43/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026344	S24-Fe0026345	S24-Fe0026346	S24-Fe0026347
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	31	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	120	< 50	73	59
TRH C29-C36	50	mg/kg	74	< 50	85	68
TRH C10-C36 (Total)	50	mg/kg	225	< 50	158	127
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	150	< 100	130	100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	150	< 100	130	100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]STP45/0.5	STP45/1.5	[G01]STP43/0.0	[G01]STP43/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026344	S24-Fe0026345	S24-Fe0026346	S24-Fe0026347
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	118	119	124	128
Toluene-d8 (surr.)	1	%	117	121	125	129
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.5
2-Fluorobiphenyl (surr.)	1	%	90	86	66	72
p-Terphenyl-d14 (surr.)	1	%	109	95	79	80

Client Sample ID			STP43/0.5	SHA07/0.1	SHA08/0.1	SHA08/0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026348	S24-Fe0026349	S24-Fe0026350	S24-Fe0026351
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	69	105	104	109
Tetrachloro-m-xylene (surr.)	1	%	67	94	90	93
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP43/0.5	SHA07/0.1	SHA08/0.1	SHA08/0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026348	S24-Fe0026349	S24-Fe0026350	S24-Fe0026351
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	95	89	90
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	69	105	104	109
Tetrachloro-m-xylene (surr.)	1	%	67	94	90	93
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	104	132	71	134
Heavy Metals						
Arsenic	2	mg/kg	5.3	6.2	5.5	5.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	22	19	18
Copper	5	mg/kg	26	35	41	32
Lead	5	mg/kg	18	22	23	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.5	15	15	12
Zinc	5	mg/kg	45	66	83	52
Sample Properties						
% Moisture	1	%	17	19	15	16

Client Sample ID			STP43/0.5	SHA07/0.1	SHA08/0.1	SHA08/0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026348	S24-Fe0026349	S24-Fe0026350	S24-Fe0026351
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP43/0.5	SHA07/0.1	SHA08/0.1	SHA08/0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026348	S24-Fe0026349	S24-Fe0026350	S24-Fe0026351
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	122	104	111	107
Toluene-d8 (surr.)	1	%	119	70	77	78
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	57	89	87	89
p-Terphenyl-d14 (surr.)	1	%	56	91	90	92

Client Sample ID			STP43/0.5	SHA07/0.1	SHA08/0.1	SHA08/0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026348	S24-Fe0026349	S24-Fe0026350	S24-Fe0026351
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	-	-	< 2	< 2
Cyfluthrin*	2	mg/kg	-	-	< 2	< 2
Cypermethrin (total)*	2	mg/kg	-	-	< 2	< 2
Fenvalerate*	2	mg/kg	-	-	< 2	< 2
Permethrin	2	mg/kg	-	-	< 2	< 2
Phenothrin*	2	mg/kg	-	-	< 2	< 2
Resmethrin*	2	mg/kg	-	-	< 2	< 2
Tetramethrin*	2	mg/kg	-	-	< 2	< 2

Client Sample ID			[G01]SHA09/0.1	SHA09/0.6	[G01]SHA10/0.1	[G01]STP46/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026352	S24-Fe0026353	S24-Fe0026354	S24-Fe0026355
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 10	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	103	95	85	100
Tetrachloro-m-xylene (surr.)	1	%	125	93	102	108
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5

Client Sample ID			[G01]SHA09/0.1	SHA09/0.6	[G01]SHA10/0.1	[G01]STP46/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026352	S24-Fe0026353	S24-Fe0026354	S24-Fe0026355
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Coumaphos	2	mg/kg	< 5	< 2	< 5	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 5	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 5	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.5
Triphenylphosphate (surr.)	1	%	104	77	94	80
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 1	< 1
Dibutylchlorendate (surr.)	1	%	103	95	85	100
Tetrachloro-m-xylene (surr.)	1	%	125	93	102	108
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]SHA09/0.1	SHA09/0.6	[G01]SHA10/0.1	[G01]STP46/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026352	S24-Fe0026353	S24-Fe0026354	S24-Fe0026355
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	129	140	84	124
Heavy Metals						
Arsenic	2	mg/kg	4.8	5.8	5.9	3.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	28	25	9.6
Copper	5	mg/kg	38	33	41	26
Lead	5	mg/kg	23	27	28	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	17	14	6.5
Zinc	5	mg/kg	95	65	120	110
Sample Properties						
% Moisture	1	%	12	20	19	39
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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]SHA09/0.1	SHA09/0.6	[G01]SHA10/0.1	[G01]STP46/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026352	S24-Fe0026353	S24-Fe0026354	S24-Fe0026355
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	105	141	102	81
Toluene-d8 (surr.)	1	%	75	102	69	53
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	0.7
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	1.1
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.4
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]SHA09/0.1	SHA09/0.6	[G01]SHA10/0.1	[G01]STP46/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026352	S24-Fe0026353	S24-Fe0026354	S24-Fe0026355
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.7
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.7
2-Fluorobiphenyl (surr.)	1	%	100	89	84	89
p-Terphenyl-d14 (surr.)	1	%	113	97	96	93

Client Sample ID			STP46/0.8	[G01]STP47/0.1	STP47/1.2	STP47/1.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026356	S24-Fe0026357	S24-Fe0026358	S24-Fe0026359
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 10	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1

Client Sample ID			STP46/0.8	[G01]STP47/0.1	STP47/1.2	STP47/1.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026356	S24-Fe0026357	S24-Fe0026358	S24-Fe0026359
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dibutylchlorendate (surr.)	1	%	107	90	108	82
Tetrachloro-m-xylene (surr.)	1	%	97	108	92	76
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 5	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 5	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 5	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.5	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	88	104	97	78
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	107	90	108	82
Tetrachloro-m-xylene (surr.)	1	%	97	108	92	76

Client Sample ID			STP46/0.8	[G01]STP47/0.1	STP47/1.2	STP47/1.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026356	S24-Fe0026357	S24-Fe0026358	S24-Fe0026359
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	131	148	135	139
Heavy Metals						
Arsenic	2	mg/kg	7.3	4.2	11	6.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	10	15	40	22
Copper	5	mg/kg	31	26	36	27
Lead	5	mg/kg	20	15	34	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.5	13	21	10
Zinc	5	mg/kg	49	61	64	45
Sample Properties						
% Moisture	1	%	7.3	20	55	18
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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP46/0.8	[G01]STP47/0.1	STP47/1.2	STP47/1.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026356	S24-Fe0026357	S24-Fe0026358	S24-Fe0026359
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	109	108	110	108
Toluene-d8 (surr.)	1	%	68	74	78	75
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP46/0.8	[G01]STP47/0.1	STP47/1.2	STP47/1.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026356	S24-Fe0026357	S24-Fe0026358	S24-Fe0026359
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	86	87	70
p-Terphenyl-d14 (surr.)	1	%	94	97	91	72

Client Sample ID			[G01]SHA48/0.2	SHA48/0.6	STP44/0.1	STP44/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026360	S24-Fe0026361	S24-Fe0026362	S24-Fe0026363
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05

Client Sample ID			[G01]SHA48/0.2	SHA48/0.6	STP44/0.1	STP44/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026360	S24-Fe0026361	S24-Fe0026362	S24-Fe0026363
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	92	103	83	88
Tetrachloro-m-xylene (surr.)	1	%	108	95	85	95
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 5	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	102	97	95	100
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1

Client Sample ID			[G01]SHA48/0.2	SHA48/0.6	STP44/0.1	STP44/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026360	S24-Fe0026361	S24-Fe0026362	S24-Fe0026363
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	92	103	83	88
Tetrachloro-m-xylene (surr.)	1	%	108	95	85	95
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	138	91	93	98
Heavy Metals						
Arsenic	2	mg/kg	6.9	8.6	6.2	5.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	25	30	-	-
Copper	5	mg/kg	21	31	-	-
Lead	5	mg/kg	47	30	20	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	-	-
Nickel	5	mg/kg	7.5	9.3	-	-
Zinc	5	mg/kg	54	51	-	-
Sample Properties						
% Moisture	1	%	19	19	15	19
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	-
TRH C10-C14	20	mg/kg	47	< 20	-	-
TRH C15-C28	50	mg/kg	91	< 50	-	-
TRH C29-C36	50	mg/kg	100	< 50	-	-
TRH C10-C36 (Total)	50	mg/kg	238	< 50	-	-
TRH C6-C10	20	mg/kg	< 20	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	-
TRH >C10-C16	50	mg/kg	51	59	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	51	59	-	-
TRH >C16-C34	100	mg/kg	160	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	211	< 100	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-

Client Sample ID			[G01]SHA48/0.2	SHA48/0.6	STP44/0.1	STP44/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026360	S24-Fe0026361	S24-Fe0026362	S24-Fe0026363
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	-	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	-	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	-	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	-

Client Sample ID			[G01]SHA48/0.2	SHA48/0.6	STP44/0.1	STP44/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026360	S24-Fe0026361	S24-Fe0026362	S24-Fe0026363
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	113	147	-	-
Toluene-d8 (surr.)	1	%	105	102	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	91	88	-	-
p-Terphenyl-d14 (surr.)	1	%	107	90	-	-

Client Sample ID			SHA11/0.1	SHA12/0.1	SHA12/0.5	STP49/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026364	S24-Fe0026365	S24-Fe0026366	S24-Fe0026367
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			SHA11/0.1	SHA12/0.1	SHA12/0.5	STP49/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026364	S24-Fe0026365	S24-Fe0026366	S24-Fe0026367
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	103	104	78	116
Tetrachloro-m-xylene (surr.)	1	%	91	102	87	83
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SHA11/0.1	SHA12/0.1	SHA12/0.5	STP49/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026364	S24-Fe0026365	S24-Fe0026366	S24-Fe0026367
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	103	102	92	90
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	103	104	78	116
Tetrachloro-m-xylene (surr.)	1	%	91	102	87	83
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	103	96	97	90
Heavy Metals						
Arsenic	2	mg/kg	6.9	5.9	11	5.8
Lead	5	mg/kg	28	26	17	22
Sample Properties						
% Moisture	1	%	14	22	21	29
Nitrate & Nitrite (as N)	5	mg/kg	-	300	-	-
Nitrate (as N)	5	mg/kg	-	300	-	-
Nitrite (as N)	5	mg/kg	-	< 5	-	-
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	480	-	-
Total Nitrogen (as N)*	10	mg/kg	-	780	-	-
Phosphorus	5	mg/kg	-	2500	-	-

Client Sample ID			STP49/0.5	STP01/0.1	STP01/0.5	STP06/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026368	S24-Fe0026369	S24-Fe0026370	S24-Fe0026371
Date Sampled			Feb 06, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
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	0.12	< 0.05	0.10
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	0.12	< 0.05	0.1
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	0.12	< 0.1	0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	85	80	129	146
Tetrachloro-m-xylene (surr.)	1	%	72	84	96	88
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP49/0.5	STP01/0.1	STP01/0.5	STP06/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026368	S24-Fe0026369	S24-Fe0026370	S24-Fe0026371
Date Sampled			Feb 06, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	74	97	98	98
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	85	80	129	146
Tetrachloro-m-xylene (surr.)	1	%	72	84	96	88
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	100	104	103	96
Heavy Metals						
Arsenic	2	mg/kg	4.5	11	4.2	5.5
Lead	5	mg/kg	15	37	11	25
Sample Properties						
% Moisture	1	%	16	16	12	21
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	< 10	22	< 10
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	-	6.4	5.2	6.3
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	-	4.7	4.3	4.1
Reaction Ratings*[S05]	0	comment	-	4.0	1.0	4.0

Client Sample ID			STP49/0.5	STP01/0.1	STP01/0.5	STP06/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026368	S24-Fe0026369	S24-Fe0026370	S24-Fe0026371
Date Sampled			Feb 06, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	< 5
13C4-PFBA (surr.)	1	%	-	95	-	95
13C5-PFPeA (surr.)	1	%	-	96	-	108
13C5-PFHxA (surr.)	1	%	-	100	-	115
13C4-PFHpA (surr.)	1	%	-	95	-	107
13C8-PFOA (surr.)	1	%	-	100	-	115
13C5-PFNA (surr.)	1	%	-	118	-	120
13C6-PFDA (surr.)	1	%	-	115	-	112
13C2-PFUnDA (surr.)	1	%	-	122	-	138
13C2-PFDoDA (surr.)	1	%	-	113	-	136
13C2-PFTeDA (surr.)	1	%	-	128	-	120
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
13C8-FOSA (surr.)	1	%	-	104	-	100
D3-N-MeFOSA (surr.)	1	%	-	105	-	118
D5-N-EtFOSA (surr.)	1	%	-	129	-	125
D7-N-MeFOSE (surr.)	1	%	-	102	-	103
D9-N-EtFOSE (surr.)	1	%	-	100	-	92
D5-N-EtFOSAA (surr.)	1	%	-	141	-	135
D3-N-MeFOSAA (surr.)	1	%	-	136	-	142
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	< 5
13C3-PFBS (surr.)	1	%	-	104	-	107

Client Sample ID			STP49/0.5	STP01/0.1	STP01/0.5	STP06/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026368	S24-Fe0026369	S24-Fe0026370	S24-Fe0026371
Date Sampled			Feb 06, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
18O2-PFHxS (surr.)	1	%	-	115	-	109
13C8-PFOS (surr.)	1	%	-	120	-	126
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	110	-	174
13C2-6:2 FTSA (surr.)	1	%	-	82	-	96
13C2-8:2 FTSA (surr.)	1	%	-	92	-	103
13C2-10:2 FTSA (surr.)	1	%	-	156	-	171
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	< 50

Client Sample ID			STP06/0.5	STP19/0.1	STP19/0.5	STP24/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026372	S24-Fe0026373	S24-Fe0026374	S24-Fe0026375
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.09
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

Client Sample ID			STP06/0.5	STP19/0.1	STP19/0.5	STP24/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026372	S24-Fe0026373	S24-Fe0026374	S24-Fe0026375
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.09
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	143	133	86	89
Tetrachloro-m-xylene (surr.)	1	%	85	85	94	86
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	103	102	95	90
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			STP06/0.5	STP19/0.1	STP19/0.5	STP24/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026372	S24-Fe0026373	S24-Fe0026374	S24-Fe0026375
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	143	133	86	89
Tetrachloro-m-xylene (surr.)	1	%	85	85	94	86
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	102	93	100	95
Heavy Metals						
Arsenic	2	mg/kg	2.5	6.1	4.6	8.2
Lead	5	mg/kg	18	27	16	28
Sample Properties						
% Moisture	1	%	12	12	16	14
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	37	< 10	100	-
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	5.5	6.3	5.0	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	4.5	4.3	4.1	-
Reaction Ratings*[S05]	0	comment	1.0	4.0	4.0	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	94	-	-
13C5-PFPeA (surr.)	1	%	-	104	-	-
13C5-PFHxA (surr.)	1	%	-	109	-	-
13C4-PFHpA (surr.)	1	%	-	103	-	-
13C8-PFOA (surr.)	1	%	-	121	-	-
13C5-PFNA (surr.)	1	%	-	116	-	-
13C6-PFDA (surr.)	1	%	-	132	-	-
13C2-PFUnDA (surr.)	1	%	-	133	-	-

Client Sample ID			STP06/0.5	STP19/0.1	STP19/0.5	STP24/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026372	S24-Fe0026373	S24-Fe0026374	S24-Fe0026375
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C2-PFDoDA (surr.)	1	%	-	125	-	-
13C2-PFTeDA (surr.)	1	%	-	120	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	111	-	-
D3-N-MeFOSA (surr.)	1	%	-	114	-	-
D5-N-EtFOSA (surr.)	1	%	-	120	-	-
D7-N-MeFOSE (surr.)	1	%	-	101	-	-
D9-N-EtFOSE (surr.)	1	%	-	99	-	-
D5-N-EtFOSAA (surr.)	1	%	-	138	-	-
D3-N-MeFOSAA (surr.)	1	%	-	134	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	110	-	-
18O2-PFHxS (surr.)	1	%	-	116	-	-
13C8-PFOS (surr.)	1	%	-	134	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	124	-	-
13C2-6:2 FTSA (surr.)	1	%	-	144	-	-
13C2-8:2 FTSA (surr.)	1	%	-	164	-	-
13C2-10:2 FTSA (surr.)	1	%	-	173	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-

Client Sample ID			STP24/0.5	STP23/0.1	STP22/0.1	STP22/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026376	S24-Fe0026377	S24-Fe0026378	S24-Fe0026379
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	102	90	109	106
Tetrachloro-m-xylene (surr.)	1	%	99	105	91	92
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP24/0.5	STP23/0.1	STP22/0.1	STP22/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026376	S24-Fe0026377	S24-Fe0026378	S24-Fe0026379
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	101	82	104	99
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	102	90	109	106
Tetrachloro-m-xylene (surr.)	1	%	99	105	91	92
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	97	100	130	136
Heavy Metals						
Arsenic	2	mg/kg	6.3	7.8	6.9	5.2
Cadmium	0.4	mg/kg	-	-	< 0.4	< 0.4
Chromium	5	mg/kg	-	-	22	17
Copper	5	mg/kg	-	-	33	25
Lead	5	mg/kg	19	29	27	15
Mercury	0.1	mg/kg	-	-	< 0.1	< 0.1
Nickel	5	mg/kg	-	-	12	8.7
Zinc	5	mg/kg	-	-	71	38
Sample Properties						
% Moisture	1	%	19	21	22	18

Client Sample ID			STP24/0.5	STP23/0.1	STP22/0.1	STP22/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026376	S24-Fe0026377	S24-Fe0026378	S24-Fe0026379
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	< 50
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			STP24/0.5	STP23/0.1	STP22/0.1	STP22/0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026376	S24-Fe0026377	S24-Fe0026378	S24-Fe0026379
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	INT	84
Toluene-d8 (surr.)	1	%	-	-	109	100
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	1.2
Acenaphthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	82	85
p-Terphenyl-d14 (surr.)	1	%	-	-	86	103

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
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	0.22	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.22	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.22	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	110	109	129	102
Tetrachloro-m-xylene (surr.)	1	%	107	103	98	82
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	107	102	102	103
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	110	109	129	102
Tetrachloro-m-xylene (surr.)	1	%	107	103	98	82
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	123	127	126	138
Heavy Metals						
Arsenic	2	mg/kg	4.5	4.1	4.4	6.3
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	27
Copper	5	mg/kg	-	-	-	35
Lead	5	mg/kg	26	24	21	26
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	13
Zinc	5	mg/kg	270	-	-	64
Sample Properties						
% Moisture	1	%	23	24	17	16

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Nitrate & Nitrite (as N)	5	mg/kg	-	-	-	< 5
Nitrate (as N)	5	mg/kg	-	-	-	< 5
Nitrite (as N)	5	mg/kg	-	-	-	< 5
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	-	710
Total Nitrogen (as N)*	10	mg/kg	-	-	-	710
Phosphorus	5	mg/kg	-	-	-	690
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	< 10	< 10	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	73
Toluene-d8 (surr.)	1	%	-	-	-	83
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

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
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	%	-	-	-	96
p-Terphenyl-d14 (surr.)	1	%	-	-	-	95
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	-	6.3	6.2	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	-	3.2	4.7	-
Reaction Ratings*[S05]	0	comment	-	4.0	1.0	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	102	-	-
13C5-PFPeA (surr.)	1	%	-	106	-	-
13C5-PFHxA (surr.)	1	%	-	108	-	-
13C4-PFHpA (surr.)	1	%	-	107	-	-
13C8-PFOA (surr.)	1	%	-	96	-	-
13C5-PFNA (surr.)	1	%	-	112	-	-
13C6-PFDA (surr.)	1	%	-	133	-	-
13C2-PFUnDA (surr.)	1	%	-	138	-	-
13C2-PFDoDA (surr.)	1	%	-	123	-	-
13C2-PFTeDA (surr.)	1	%	-	112	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	111	-	-
D3-N-MeFOSA (surr.)	1	%	-	126	-	-
D5-N-EtFOSA (surr.)	1	%	-	140	-	-
D7-N-MeFOSE (surr.)	1	%	-	106	-	-
D9-N-EtFOSE (surr.)	1	%	-	103	-	-
D5-N-EtFOSAA (surr.)	1	%	-	125	-	-
D3-N-MeFOSAA (surr.)	1	%	-	119	-	-

Client Sample ID			SHA01/0.1	SHA02/0.1	SHA02/0.5	STP13/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026380	S24-Fe0026381	S24-Fe0026382	S24-Fe0026383
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	113	-	-
18O2-PFHxS (surr.)	1	%	-	118	-	-
13C8-PFOS (surr.)	1	%	-	133	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	105	-	-
13C2-6:2 FTSA (surr.)	1	%	-	108	-	-
13C2-8:2 FTSA (surr.)	1	%	-	144	-	-
13C2-10:2 FTSA (surr.)	1	%	-	164	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Pathogens						
E.coli (MPN)	1	MPN/g	-	-	-	SEE ATTACHED
Total Coliforms (MPN)	1	MPN/g	-	-	-	SEE ATTACHED

Client Sample ID			STP13/0.5	STP21/0.1	STP21/0.7	STP20/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026384	S24-Fe0026385	S24-Fe0026386	S24-Fe0026387
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
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	0.96	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	0.22	< 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

Client Sample ID			STP13/0.5	STP21/0.1	STP21/0.7	STP20/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026384	S24-Fe0026385	S24-Fe0026386	S24-Fe0026387
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dieldrin	0.05	mg/kg	< 0.05	1.0	< 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	1	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	1.18	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	2.18	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	93	132	94	94
Tetrachloro-m-xylene (surr.)	1	%	86	101	94	89
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP13/0.5	STP21/0.1	STP21/0.7	STP20/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026384	S24-Fe0026385	S24-Fe0026386	S24-Fe0026387
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	110	115	90	89
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	93	132	94	94
Tetrachloro-m-xylene (surr.)	1	%	86	101	94	89
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	135	126	96	105
Heavy Metals						
Arsenic	2	mg/kg	6.3	19	4.6	6.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	39	17	19
Copper	5	mg/kg	36	130	28	27
Lead	5	mg/kg	13	36	9.8	20
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	19	11	11
Zinc	5	mg/kg	51	210	48	50
Sample Properties						
% Moisture	1	%	17	22	15	12
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

Client Sample ID			STP13/0.5	STP21/0.1	STP21/0.7	STP20/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026384	S24-Fe0026385	S24-Fe0026386	S24-Fe0026387
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP13/0.5	STP21/0.1	STP21/0.7	STP20/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026384	S24-Fe0026385	S24-Fe0026386	S24-Fe0026387
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	111	88	115	98
Toluene-d8 (surr.)	1	%	86	112	135	101
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	98	100	87	81
p-Terphenyl-d14 (surr.)	1	%	94	107	91	84
Pathogens						
E.coli (MPN)	1	MPN/g	SEE ATTACHED	-	-	-
Total Coliforms (MPN)	1	MPN/g	SEE ATTACHED	-	-	-

Client Sample ID			STP20/0.7	STP12/0.1	STP12/0.5	STP12/1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026388	S24-Fe0026389	S24-Fe0026390	S24-Fe0026391
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	95	138	94	108
Tetrachloro-m-xylene (surr.)	1	%	79	83	87	87
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			STP20/0.7	STP12/0.1	STP12/0.5	STP12/1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026388	S24-Fe0026389	S24-Fe0026390	S24-Fe0026391
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
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	%	84	90	90	93
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	95	138	94	108
Tetrachloro-m-xylene (surr.)	1	%	79	83	87	87
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	103	100	103	101
Heavy Metals						
Arsenic	2	mg/kg	6.9	5.6	9.3	5.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	17	16	26	12
Copper	5	mg/kg	25	24	28	19
Lead	5	mg/kg	16	24	32	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.8	8.6	15	5.4
Zinc	5	mg/kg	41	43	60	31
Sample Properties						
% Moisture	1	%	14	13	15	17

Client Sample ID			STP20/0.7	STP12/0.1	STP12/0.5	STP12/1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026388	S24-Fe0026389	S24-Fe0026390	S24-Fe0026391
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 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
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			STP20/0.7	STP12/0.1	STP12/0.5	STP12/1.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026388	S24-Fe0026389	S24-Fe0026390	S24-Fe0026391
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	125	75	82	116
Toluene-d8 (surr.)	1	%	128	78	88	121
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	69	84	81	71
p-Terphenyl-d14 (surr.)	1	%	83	90	85	81

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	99	-	120	88
Tetrachloro-m-xylene (surr.)	1	%	91	-	84	76
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	-	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	-	< 2	< 5
Naled	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	-	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	92	-	83	INT
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	99	-	120	88
Tetrachloro-m-xylene (surr.)	1	%	91	-	84	76
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Warfarin (surr.)	1	%	91	-	99	99
Heavy Metals						
Arsenic	2	mg/kg	7.0	-	6.7	9.0
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	22	-	19	25
Copper	5	mg/kg	21	-	35	23
Lead	5	mg/kg	25	-	17	38
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	13	-	20	21
Zinc	5	mg/kg	42	-	81	54
Sample Properties						
% Moisture	1	%	21	22	16	6.9

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	42	45	75	70
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50	85
TRH C29-C36	50	mg/kg	< 50	-	< 50	200
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	285
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	60	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	60	-	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	-	< 100	200
TRH >C34-C40	100	mg/kg	< 100	-	< 100	280
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	480
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	132	-	81	70
Toluene-d8 (surr.)	1	%	138	-	84	72
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	83	-	86	67
p-Terphenyl-d14 (surr.)	1	%	87	-	92	73

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	7.4	7.3	5.1	8.7
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	7.2	7.4	3.9	7.2
Reaction Ratings*[S05]	0	comment	1.0	4.0	1.0	4.0
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	< 5
13C4-PFBA (surr.)	1	%	97	-	-	84
13C5-PFPeA (surr.)	1	%	99	-	-	84
13C5-PFHxA (surr.)	1	%	105	-	-	89
13C4-PFHpA (surr.)	1	%	100	-	-	83
13C8-PFOA (surr.)	1	%	100	-	-	96
13C5-PFNA (surr.)	1	%	110	-	-	83
13C6-PFDA (surr.)	1	%	118	-	-	89
13C2-PFUnDA (surr.)	1	%	129	-	-	100
13C2-PFDoDA (surr.)	1	%	120	-	-	111
13C2-PFTeDA (surr.)	1	%	106	-	-	108
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	< 10
13C8-FOSA (surr.)	1	%	113	-	-	92
D3-N-MeFOSA (surr.)	1	%	114	-	-	97
D5-N-EtFOSA (surr.)	1	%	117	-	-	126
D7-N-MeFOSE (surr.)	1	%	101	-	-	96
D9-N-EtFOSE (surr.)	1	%	97	-	-	90
D5-N-EtFOSAA (surr.)	1	%	131	-	-	109
D3-N-MeFOSAA (surr.)	1	%	121	-	-	96
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	< 5

Client Sample ID			STP11/0.1	STP11/0.5	STP11/1.1	[G01]STP32/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026392	S24-Fe0026393	S24-Fe0026394	S24-Fe0026395
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	< 5
13C3-PFBS (surr.)	1	%	112	-	-	100
18O2-PFHxS (surr.)	1	%	124	-	-	104
13C8-PFOS (surr.)	1	%	123	-	-	116
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	113	-	-	84
13C2-6:2 FTSA (surr.)	1	%	103	-	-	83
13C2-8:2 FTSA (surr.)	1	%	114	-	-	87
13C2-10:2 FTSA (surr.)	1	%	135	-	-	139
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	< 50

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	97	-	86	106
Tetrachloro-m-xylene (surr.)	1	%	86	-	117	103
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 2	-	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 2	-	< 5	< 2
Naled	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Omethoate	2	mg/kg	< 2	-	< 5	< 2
Phorate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	87	-	133	105

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	97	-	86	106
Tetrachloro-m-xylene (surr.)	1	%	86	-	117	103
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	-	-	-
2.4-DB	0.5	mg/kg	< 0.5	-	-	-
2.4.5-T	0.5	mg/kg	< 0.5	-	-	-
2.4.5-TP	0.5	mg/kg	< 0.5	-	-	-
Actril (loxynil)	0.5	mg/kg	< 0.5	-	-	-
Dicamba	0.5	mg/kg	< 0.5	-	-	-
Dichlorprop	0.5	mg/kg	< 0.5	-	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	-	-
Dinoseb	0.5	mg/kg	< 0.5	-	-	-
MCPA	0.5	mg/kg	< 0.5	-	-	-
MCPB	0.5	mg/kg	< 0.5	-	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-	-
Warfarin (surr.)	1	%	99	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	7.9	-	3.4	5.3
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	20	-	12	14
Copper	5	mg/kg	26	-	42	25
Lead	5	mg/kg	18	-	18	14
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	9.7	-	9.5	8.9
Zinc	5	mg/kg	49	-	120	50
Sample Properties						
% Moisture	1	%	14	15	49	25
Nitrate & Nitrite (as N)	5	mg/kg	-	-	< 5	< 5
Nitrate (as N)	5	mg/kg	-	-	< 5	< 5
Nitrite (as N)	5	mg/kg	-	-	< 5	< 5
Total Kjeldahl Nitrogen (as N)	10	mg/kg	-	-	1700	410
Total Nitrogen (as N)*	10	mg/kg	-	-	1700	410
Phosphorus	5	mg/kg	-	-	3800	150
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	160	150	62	19
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	28	< 20
TRH C15-C28	50	mg/kg	< 50	-	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	< 50

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	74
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	-	< 50	74
TRH >C16-C34	100	mg/kg	< 100	-	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	< 100
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	68	-	122	80
Toluene-d8 (surr.)	1	%	71	-	128	104
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	77	-	110	95
p-Terphenyl-d14 (surr.)	1	%	80	-	126	106
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	5.1	7.1	7.1	6.1
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	4.5	4.3	3.9	5.0
Reaction Ratings*[S05]	0	comment	1.0	1.0	4.0	1.0

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	< 5
13C4-PFBA (surr.)	1	%	-	-	93	100
13C5-PFPeA (surr.)	1	%	-	-	96	106
13C5-PFHxA (surr.)	1	%	-	-	103	108
13C4-PFHpA (surr.)	1	%	-	-	113	114
13C8-PFOA (surr.)	1	%	-	-	91	105
13C5-PFNA (surr.)	1	%	-	-	110	115
13C6-PFDA (surr.)	1	%	-	-	119	123
13C2-PFUnDA (surr.)	1	%	-	-	117	116
13C2-PFDoDA (surr.)	1	%	-	-	113	110
13C2-PFTeDA (surr.)	1	%	-	-	114	110
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
13C8-FOSA (surr.)	1	%	-	-	118	116
D3-N-MeFOSA (surr.)	1	%	-	-	108	108
D5-N-EtFOSA (surr.)	1	%	-	-	122	126
D7-N-MeFOSE (surr.)	1	%	-	-	99	103
D9-N-EtFOSE (surr.)	1	%	-	-	92	110
D5-N-EtFOSAA (surr.)	1	%	-	-	119	121
D3-N-MeFOSAA (surr.)	1	%	-	-	135	141
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	< 5
13C3-PFBS (surr.)	1	%	-	-	114	116

Client Sample ID			STP32/0.5	STP32/0.8	[G01]SSED01	SSED02
Sample Matrix			Soil	Soil	Sediment	Sediment
Eurofins Sample No.			S24-Fe0026396	S24-Fe0026397	S24-Fe0026398	S24-Fe0026399
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
18O2-PFHxS (surr.)	1	%	-	-	113	119
13C8-PFOS (surr.)	1	%	-	-	127	134
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	110	142
13C2-6:2 FTSA (surr.)	1	%	-	-	107	91
13C2-8:2 FTSA (surr.)	1	%	-	-	118	114
13C2-10:2 FTSA (surr.)	1	%	-	-	151	177
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	< 50

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 10

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	61	84	123	INT
Tetrachloro-m-xylene (surr.)	1	%	76	83	80	74
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	71	62	92	64
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	61	84	123	INT
Tetrachloro-m-xylene (surr.)	1	%	76	83	80	74
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	70	99	74	96
Heavy Metals						
Arsenic	2	mg/kg	6.9	7.2	4.4	4.9
Cadmium	0.4	mg/kg	2.2	-	-	-
Chromium	5	mg/kg	25	-	-	-
Copper	5	mg/kg	38	-	-	-
Lead	5	mg/kg	54	28	13	17
Mercury	0.1	mg/kg	< 0.1	-	-	-
Nickel	5	mg/kg	12	-	-	-
Zinc	5	mg/kg	130	-	-	-
Sample Properties						
% Moisture	1	%	12	11	12	15
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	38	45	170
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	88	-	-	-
TRH C10-C36 (Total)	50	mg/kg	88	-	-	-
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	140	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	140	-	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	102	-	-	-
Toluene-d8 (surr.)	1	%	103	-	-	-
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	%	73	-	-	-
p-Terphenyl-d14 (surr.)	1	%	81	-	-	-
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	-	5.5	6.8	5.8
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	-	3.9	4.4	5.6
Reaction Ratings*[S05]	0	comment	-	3.0	1.0	4.0
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	< 5
13C4-PFBA (surr.)	1	%	-	78	-	79
13C5-PFPeA (surr.)	1	%	-	74	-	87
13C5-PFHxA (surr.)	1	%	-	81	-	80

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C4-PFHpA (surr.)	1	%	-	72	-	78
13C8-PFOA (surr.)	1	%	-	82	-	89
13C5-PFNA (surr.)	1	%	-	96	-	93
13C6-PFDA (surr.)	1	%	-	93	-	86
13C2-PFUnDA (surr.)	1	%	-	111	-	108
13C2-PFDoDA (surr.)	1	%	-	100	-	90
13C2-PFTeDA (surr.)	1	%	-	109	-	134
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
13C8-FOSA (surr.)	1	%	-	100	-	93
D3-N-MeFOSA (surr.)	1	%	-	99	-	121
D5-N-EtFOSA (surr.)	1	%	-	134	-	124
D7-N-MeFOSE (surr.)	1	%	-	86	-	82
D9-N-EtFOSE (surr.)	1	%	-	87	-	90
D5-N-EtFOSAA (surr.)	1	%	-	102	-	98
D3-N-MeFOSAA (surr.)	1	%	-	95	-	90
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	< 5
13C3-PFBS (surr.)	1	%	-	98	-	91
18O2-PFHxS (surr.)	1	%	-	100	-	90
13C8-PFOS (surr.)	1	%	-	113	-	111
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	63	-	84
13C2-6:2 FTSA (surr.)	1	%	-	79	-	88
13C2-8:2 FTSA (surr.)	1	%	-	97	-	102
13C2-10:2 FTSA (surr.)	1	%	-	125	-	137

Client Sample ID			[G01]STP41/0.1	SHA15/0.1	SHA15/0.5	[G01]SHA03/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026400	S24-Fe0026401	S24-Fe0026402	S24-Fe0026403
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 07, 2024	Feb 07, 2024
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	< 50

Client Sample ID			SHA03/0.5	SHA29/0.1	SHA29/0.6	[G01]SHA28/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026404	S24-Fe0026405	S24-Fe0026406	S24-Fe0026407
Date Sampled			Feb 07, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	121	127	137	58
Tetrachloro-m-xylene (surr.)	1	%	103	99	100	83
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5

Client Sample ID			SHA03/0.5	SHA29/0.1	SHA29/0.6	[G01]SHA28/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026404	S24-Fe0026405	S24-Fe0026406	S24-Fe0026407
Date Sampled			Feb 07, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	110	112	115	81
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	121	127	137	58
Tetrachloro-m-xylene (surr.)	1	%	103	99	100	83
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			SHA03/0.5	SHA29/0.1	SHA29/0.6	[G01]SHA28/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026404	S24-Fe0026405	S24-Fe0026406	S24-Fe0026407
Date Sampled			Feb 07, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	99	93	94	93
Heavy Metals						
Arsenic	2	mg/kg	7.5	5.3	5.0	5.5
Lead	5	mg/kg	17	23	15	21
Sample Properties						
% Moisture	1	%	17	23	17	18
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	38	-	-	-
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	6.2	-	-	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	4.9	-	-	-
Reaction Ratings*[S05]	0	comment	1.0	-	-	-

Client Sample ID			SHA30/0.1	SHA30/0.6	SHA31/0.1	SHA04/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026408	S24-Fe0026409	S24-Fe0026410	S24-Fe0026411
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	138	124	124	INT
Tetrachloro-m-xylene (surr.)	1	%	100	98	95	100

Client Sample ID			SHA30/0.1	SHA30/0.6	SHA31/0.1	SHA04/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026408	S24-Fe0026409	S24-Fe0026410	S24-Fe0026411
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	110	103	107	120
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	138	124	124	INT
Tetrachloro-m-xylene (surr.)	1	%	100	98	95	100

Client Sample ID			SHA30/0.1	SHA30/0.6	SHA31/0.1	SHA04/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026408	S24-Fe0026409	S24-Fe0026410	S24-Fe0026411
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	94	98	95	93
Heavy Metals						
Arsenic	2	mg/kg	7.9	8.9	6.4	4.6
Lead	5	mg/kg	31	14	24	18
Sample Properties						
% Moisture	1	%	14	16	23	11

Client Sample ID			SHA04/0.5	SHA13/0.1	SHA13/0.5	[G01]SHA14/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026412	S24-Fe0026413	S24-Fe0026414	S24-Fe0026415
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.5

Client Sample ID			SHA04/0.5	SHA13/0.1	SHA13/0.5	[G01]SHA14/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026412	S24-Fe0026413	S24-Fe0026414	S24-Fe0026415
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	80	109	INT	90
Tetrachloro-m-xylene (surr.)	1	%	68	79	108	78
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 2	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	69	91	124	62
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 1

Client Sample ID			SHA04/0.5	SHA13/0.1	SHA13/0.5	[G01]SHA14/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026412	S24-Fe0026413	S24-Fe0026414	S24-Fe0026415
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Dibutylchlorendate (surr.)	1	%	80	109	INT	90
Tetrachloro-m-xylene (surr.)	1	%	68	79	108	78
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	97	98	98	134
Heavy Metals						
Arsenic	2	mg/kg	4.8	5.8	5.2	4.8
Lead	5	mg/kg	11	20	14	16
Sample Properties						
% Moisture	1	%	19	13	18	23
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	-	-	-	< 2
Cyfluthrin*	2	mg/kg	-	-	-	< 2
Cypermethrin (total)*	2	mg/kg	-	-	-	< 2
Fenvalerate*	2	mg/kg	-	-	-	< 2
Permethrin	2	mg/kg	-	-	-	< 2
Phenothrin*	2	mg/kg	-	-	-	< 2
Resmethrin*	2	mg/kg	-	-	-	< 2
Tetramethrin*	2	mg/kg	-	-	-	< 2

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 1	< 1	-
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
a-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Aldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
b-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
d-HCH	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Dieldrin	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan I	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Endosulfan II	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Endrin	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Endrin ketone	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Heptachlor	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Methoxychlor	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Toxaphene	0.5	mg/kg	< 0.5	< 10	< 10	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.5	< 0.5	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 1	< 1	-
Dibutylchlorendate (surr.)	1	%	107	66	58	-
Tetrachloro-m-xylene (surr.)	1	%	88	91	84	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Bolstar	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Coumaphos	2	mg/kg	< 2	< 5	< 5	-
Demeton-S	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Demeton-O	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Diazinon	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Dichlorvos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Dimethoate	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Disulfoton	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
EPN	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Ethion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Ethoprop	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Fenitrothion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Fensulfothion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Fenthion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Malathion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Merphos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Methyl parathion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Mevinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Monocrotophos	2	mg/kg	< 2	< 5	< 5	-
Naled	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Omethoate	2	mg/kg	< 2	< 5	< 5	-
Phorate	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Pyrazophos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ronnel	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Terbufos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Tokuthion	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Trichloronate	0.2	mg/kg	< 0.2	< 0.5	< 0.5	-
Triphenylphosphate (surr.)	1	%	95	62	70	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 1	< 1	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 1	< 1	-
Total PCB*	0.1	mg/kg	< 0.1	< 1	< 1	-
Dibutylchlorendate (surr.)	1	%	107	66	58	-
Tetrachloro-m-xylene (surr.)	1	%	88	91	84	-
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	135	142	135	-
Heavy Metals						
Arsenic	2	mg/kg	5.9	4.0	4.6	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	12	14	-
Copper	5	mg/kg	-	26	20	-
Lead	5	mg/kg	16	12	17	-
Mercury	0.1	mg/kg	-	< 0.1	< 0.1	-
Nickel	5	mg/kg	-	8.4	9.7	-
Zinc	5	mg/kg	-	53	74	-
Sample Properties						
% Moisture	1	%	17	18	11	-
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	59	-
TRH C29-C36	50	mg/kg	-	< 50	220	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	279	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	200	-
TRH >C34-C40	100	mg/kg	-	< 100	200	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	400	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	79	87	-
Toluene-d8 (surr.)	1	%	-	76	91	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	0.9	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	1.3	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.6	1.2	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	0.9	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	-	0.9	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	79	77	-
p-Terphenyl-d14 (surr.)	1	%	-	68	93	-

Client Sample ID			SHA14/0.5	[G01]SHA16/0.1	[G01]SHA16/0.4	SOIL TRIP BLANK 1
Sample Matrix			Soil	Soil	Soil	Trip Blank (solid)
Eurofins Sample No.			S24-Fe0026416	S24-Fe0026417	S24-Fe0026418	S24-Fe0026432
Date Sampled			Feb 08, 2024	Feb 08, 2024	Feb 08, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Synthetic Pyrethroids*						
Allethrin*	2	mg/kg	< 2	< 2	< 2	-
Cyfluthrin*	2	mg/kg	< 2	< 2	< 2	-
Cypermethrin (total)*	2	mg/kg	< 2	< 2	< 2	-
Fenvalerate*	2	mg/kg	< 2	< 2	< 2	-
Permethrin	2	mg/kg	< 2	< 2	< 2	-
Phenothrin*	2	mg/kg	< 2	< 2	< 2	-
Resmethrin*	2	mg/kg	< 2	< 2	< 2	-
Tetramethrin*	2	mg/kg	< 2	< 2	< 2	-
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	88

Client Sample ID			SOIL TRIP BLANK 2	SOIL TRIP BLANK 3	SOIL TRIP BLANK 4	SOIL TRIP SPIKE 1
Sample Matrix			Trip Blank (solid)	Trip Blank (solid)	Trip Blank (solid)	Trip Spike (solid)
Eurofins Sample No.			S24-Fe0026433	S24-Fe0026434	S24-Fe0026435	S24-Fe0026436
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	1	%	-	-	-	97
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	137	101	123	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	-	-	96
TRH C6-C9	1	%	-	-	-	98
BTEX						
Benzene	1	%	-	-	-	100
Ethylbenzene	1	%	-	-	-	98
m&p-Xylenes	1	%	-	-	-	97
o-Xylene	1	%	-	-	-	99

Client Sample ID			SOIL TRIP BLANK 2	SOIL TRIP BLANK 3	SOIL TRIP BLANK 4	SOIL TRIP SPIKE 1
Sample Matrix			Trip Blank (solid)	Trip Blank (solid)	Trip Blank (solid)	Trip Spike (solid)
Eurofins Sample No.			S24-Fe0026433	S24-Fe0026434	S24-Fe0026435	S24-Fe0026436
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
BTEX						
Toluene	1	%	-	-	-	99
Xylenes - Total	1	%	-	-	-	98
4-Bromofluorobenzene (surr.)	1	%	-	-	-	81

Client Sample ID			SOIL TRIP SPIKE 2	SOIL TRIP SPIKE 3	SOIL TRIP SPIKE 4	QA02
Sample Matrix			Trip Spike (solid)	Trip Spike (solid)	Trip Spike (solid)	Soil
Eurofins Sample No.			S24-Fe0026437	S24-Fe0026438	S24-Fe0026439	S24-Fe0026441
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-HCH	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-HCH	0.05	mg/kg	-	-	-	< 0.05
d-HCH	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxaphene	0.5	mg/kg	-	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	118
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	96
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	-	< 0.2
Bolstar	0.2	mg/kg	-	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	-	< 0.2
Coumaphos	2	mg/kg	-	-	-	< 2
Demeton-S	0.2	mg/kg	-	-	-	< 0.2

Client Sample ID			SOIL TRIP SPIKE 2	SOIL TRIP SPIKE 3	SOIL TRIP SPIKE 4	QA02
Sample Matrix			Trip Spike (solid)	Trip Spike (solid)	Trip Spike (solid)	Soil
Eurofins Sample No.			S24-Fe0026437	S24-Fe0026438	S24-Fe0026439	S24-Fe0026441
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Demeton-O	0.2	mg/kg	-	-	-	< 0.2
Diazinon	0.2	mg/kg	-	-	-	< 0.2
Dichlorvos	0.2	mg/kg	-	-	-	< 0.2
Dimethoate	0.2	mg/kg	-	-	-	< 0.2
Disulfoton	0.2	mg/kg	-	-	-	< 0.2
EPN	0.2	mg/kg	-	-	-	< 0.2
Ethion	0.2	mg/kg	-	-	-	< 0.2
Ethoprop	0.2	mg/kg	-	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	-	< 0.2
Fenitrothion	0.2	mg/kg	-	-	-	< 0.2
Fensulfothion	0.2	mg/kg	-	-	-	< 0.2
Fenthion	0.2	mg/kg	-	-	-	< 0.2
Malathion	0.2	mg/kg	-	-	-	< 0.2
Merphos	0.2	mg/kg	-	-	-	< 0.2
Methyl parathion	0.2	mg/kg	-	-	-	< 0.2
Mevinphos	0.2	mg/kg	-	-	-	< 0.2
Monocrotophos	2	mg/kg	-	-	-	< 2
Naled	0.2	mg/kg	-	-	-	< 0.2
Omethoate	2	mg/kg	-	-	-	< 2
Phorate	0.2	mg/kg	-	-	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	-	-	< 0.2
Pyrazophos	0.2	mg/kg	-	-	-	< 0.2
Ronnel	0.2	mg/kg	-	-	-	< 0.2
Terbufos	0.2	mg/kg	-	-	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	-	-	< 0.2
Tokuthion	0.2	mg/kg	-	-	-	< 0.2
Trichloronate	0.2	mg/kg	-	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	-	105
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	118
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	96
Acid Herbicides						
2.4-D	0.5	mg/kg	-	-	-	< 0.5
2.4-DB	0.5	mg/kg	-	-	-	< 0.5
2.4.5-T	0.5	mg/kg	-	-	-	< 0.5
2.4.5-TP	0.5	mg/kg	-	-	-	< 0.5
Actril (loxynil)	0.5	mg/kg	-	-	-	< 0.5
Dicamba	0.5	mg/kg	-	-	-	< 0.5
Dichlorprop	0.5	mg/kg	-	-	-	< 0.5
Dinitro-o-cresol	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			SOIL TRIP SPIKE 2	SOIL TRIP SPIKE 3	SOIL TRIP SPIKE 4	QA02
Sample Matrix			Trip Spike (solid)	Trip Spike (solid)	Trip Spike (solid)	Soil
Eurofins Sample No.			S24-Fe0026437	S24-Fe0026438	S24-Fe0026439	S24-Fe0026441
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 05, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
Dinoseb	0.5	mg/kg	-	-	-	< 0.5
MCPA	0.5	mg/kg	-	-	-	< 0.5
MCPB	0.5	mg/kg	-	-	-	< 0.5
Mecoprop	0.5	mg/kg	-	-	-	< 0.5
Warfarin (surr.)	1	%	-	-	-	71
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	3.3
Lead	5	mg/kg	-	-	-	15
Sample Properties						
% Moisture	1	%	-	-	-	15
TRH C6-C10	1	%	92	91	92	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	97	88	81	-
TRH C6-C9	1	%	92	91	92	-
BTEX						
Benzene	1	%	93	91	88	-
Ethylbenzene	1	%	93	90	93	-
m&p-Xylenes	1	%	94	88	91	-
o-Xylene	1	%	93	90	96	-
Toluene	1	%	92	90	88	-
Xylenes - Total	1	%	93	89	94	-
4-Bromofluorobenzene (surr.)	1	%	71	72	69	-

Client Sample ID			[G01]QA03	QA04	[G01]QA05	QA06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026442	S24-Fe0026443	S24-Fe0026444	S24-Fe0026445
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05

Client Sample ID			[G01]QA03	QA04	[G01]QA05	QA06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026442	S24-Fe0026443	S24-Fe0026444	S24-Fe0026445
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	100	147	97	149
Tetrachloro-m-xylene (surr.)	1	%	109	97	79	109
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Coumaphos	2	mg/kg	< 5	< 2	< 5	< 2
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Monocrotophos	2	mg/kg	< 5	< 2	< 5	< 2
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Omethoate	2	mg/kg	< 5	< 2	< 5	< 2
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.5	< 0.2
Triphenylphosphate (surr.)	1	%	110	122	109	111

Client Sample ID			[G01]QA03	QA04	[G01]QA05	QA06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026442	S24-Fe0026443	S24-Fe0026444	S24-Fe0026445
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1221	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1232	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1242	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1248	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1254	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Aroclor-1260	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Total PCB*	0.1	mg/kg	< 1	< 0.1	< 1	< 0.1
Dibutylchlorendate (surr.)	1	%	100	147	97	149
Tetrachloro-m-xylene (surr.)	1	%	109	97	79	109
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	128	136	136	130
Heavy Metals						
Arsenic	2	mg/kg	4.8	7.5	5.9	5.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	13	32	20	-
Copper	5	mg/kg	21	21	24	-
Lead	5	mg/kg	18	34	17	27
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	5.8	17	19	-
Zinc	5	mg/kg	45	61	66	-
Sample Properties						
% Moisture	1	%	19	22	11	22
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	38	< 20	< 20	-
TRH C15-C28	50	mg/kg	250	< 50	130	-
TRH C29-C36	50	mg/kg	97	< 50	460	-
TRH C10-C36 (Total)	50	mg/kg	385	< 50	590	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	290	< 100	420	-
TRH >C34-C40	100	mg/kg	< 100	< 100	660	-
TRH >C10-C40 (total)*	100	mg/kg	340	< 100	1080	-

Client Sample ID			[G01]QA03	QA04	[G01]QA05	QA06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026442	S24-Fe0026443	S24-Fe0026444	S24-Fe0026445
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-

Client Sample ID			[G01]QA03	QA04	[G01]QA05	QA06
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026442	S24-Fe0026443	S24-Fe0026444	S24-Fe0026445
Date Sampled			Feb 06, 2024	Feb 06, 2024	Feb 06, 2024	Feb 06, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	147	81	75	-
Toluene-d8 (surr.)	1	%	150	82	77	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	0.7	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	1.0	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.3	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	0.6	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	1.3	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	0.7	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	1.1	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	4.7	-
2-Fluorobiphenyl (surr.)	1	%	99	103	99	-
p-Terphenyl-d14 (surr.)	1	%	105	129	106	-

Client Sample ID			QA07	QA08	QA09	EIL-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026446	S24-Fe0026447	S24-Fe0026448	S24-Fe0026452
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	0.10	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-

Client Sample ID			QA07	QA08	QA09	EIL-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026446	S24-Fe0026447	S24-Fe0026448	S24-Fe0026452
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	0.1	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	0.1	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	141	123	-
Tetrachloro-m-xylene (surr.)	1	%	-	105	90	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	-	< 2	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	-
EPN	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.2	0.2	-
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	-	< 2	< 2	-
Naled	0.2	mg/kg	-	< 0.2	< 0.2	-
Omethoate	2	mg/kg	-	< 2	< 2	-
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-

Client Sample ID			QA07	QA08	QA09	EIL-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026446	S24-Fe0026447	S24-Fe0026448	S24-Fe0026452
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	121	101	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	141	123	-
Tetrachloro-m-xylene (surr.)	1	%	-	105	90	-
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	-	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	-	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	-	138	72	-
Heavy Metals						
Iron	20	mg/kg	-	-	-	27000
Sample Properties						
% Moisture	1	%	12	18	8.6	12
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	13	13	-	190
% Clay	2.5	%	-	-	-	26
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	-	-	4.5
Total Organic Carbon	0.1	%	-	-	-	0.7
Acid Sulfate Soils Field pH Test						
pH-F (Field pH test)*	0.1	pH Units	6.3	5.5	-	-
pH-FOX (Field pH Peroxide test)*	0.1	pH Units	3.8	4.3	-	-
Reaction Ratings*[S05]	0	comment	4.0	3.0	-	-

Client Sample ID			QA07	QA08	QA09	EIL-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026446	S24-Fe0026447	S24-Fe0026448	S24-Fe0026452
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	< 5	-	-
13C4-PFBA (surr.)	1	%	94	82	-	-
13C5-PFPeA (surr.)	1	%	98	95	-	-
13C5-PFHxA (surr.)	1	%	94	99	-	-
13C4-PFHpA (surr.)	1	%	100	78	-	-
13C8-PFOA (surr.)	1	%	97	95	-	-
13C5-PFNA (surr.)	1	%	101	95	-	-
13C6-PFDA (surr.)	1	%	111	108	-	-
13C2-PFUnDA (surr.)	1	%	117	114	-	-
13C2-PFDoDA (surr.)	1	%	116	106	-	-
13C2-PFTeDA (surr.)	1	%	120	104	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	< 10	-	-
13C8-FOSA (surr.)	1	%	116	106	-	-
D3-N-MeFOSA (surr.)	1	%	118	106	-	-
D5-N-EtFOSA (surr.)	1	%	118	130	-	-
D7-N-MeFOSE (surr.)	1	%	96	103	-	-
D9-N-EtFOSE (surr.)	1	%	97	88	-	-
D5-N-EtFOSAA (surr.)	1	%	158	116	-	-
D3-N-MeFOSAA (surr.)	1	%	139	115	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	< 5	-	-
13C3-PFBS (surr.)	1	%	111	101	-	-

Client Sample ID			QA07	QA08	QA09	EIL-02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Fe0026446	S24-Fe0026447	S24-Fe0026448	S24-Fe0026452
Date Sampled			Feb 07, 2024	Feb 07, 2024	Feb 08, 2024	Feb 08, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
18O2-PFHxS (surr.)	1	%	109	114	-	-
13C8-PFOS (surr.)	1	%	115	114	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	93	109	-	-
13C2-6:2 FTSA (surr.)	1	%	108	74	-	-
13C2-8:2 FTSA (surr.)	1	%	102	119	-	-
13C2-10:2 FTSA (surr.)	1	%	135	130	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	< 50	-	-
Heavy Metals						
Iron (%)	0.01	%	-	-	-	2.7
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	-	-	16

Client Sample ID			EIL-04
Sample Matrix			Soil
Eurofins Sample No.			S24-Fe0026453
Date Sampled			Feb 08, 2024
Test/Reference	LOR	Unit	
Heavy Metals			
Iron	20	mg/kg	46000
Sample Properties			
% Moisture	1	%	12
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	240
% Clay	2.5	%	24
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	4.5
Total Organic Carbon	0.1	%	0.7
Heavy Metals			
Iron (%)	0.01	%	46
Cation Exchange Capacity			
Cation Exchange Capacity	0.5	meq/100g	14

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Feb 16, 2024	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Acid Herbicides	Melbourne	Feb 15, 2024	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
Heavy Metals	Sydney	Feb 16, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Synthetic Pyrethroids*	Melbourne	Feb 15, 2024	14 Days
- Method: LTM-ORG-2170 Synthetic Pyrethroids by HPLC-UV			
Acid Sulfate Soils Field pH Test	Sydney	Feb 15, 2024	7 Days
- Method: LTM-GEN-7060 Determination of field pH (pHF) and field pH peroxide (pHFOX) tests			
Metals M8	Sydney	Feb 16, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Feb 16, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Polycyclic Aromatic Hydrocarbons	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
NEPM Screen for Soil Classification			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Feb 16, 2024	7 Days
- Method: LTM-INO-4030 Conductivity			
% Clay	Brisbane	Feb 15, 2024	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Sydney	Feb 16, 2024	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Feb 15, 2024	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Feb 19, 2024	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
% Moisture	Sydney	Feb 12, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			
Total Nitrogen Set (as N)			
Nitrate & Nitrite (as N)	Melbourne	Feb 15, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrate (as N)	Melbourne	Feb 15, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrite (as N)	Melbourne	Feb 15, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Total Kjeldahl Nitrogen (as N)	Melbourne	Feb 15, 2024	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Eurofins Suite B19A: Total N (TKN, NOx), Total P			
Phosphorus	Melbourne	Feb 15, 2024	180 Days

Description	Testing Site	Extracted	Holding Time
- Method: LTM-MET-3010 Alkali Metals Sulfur Silicon and Phosphorus by ICP-AES			
Total Recoverable Hydrocarbons	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Feb 16, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Feb 15, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Feb 15, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Feb 15, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Feb 15, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 12, 2024	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
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Phone: 02 9925 5555
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Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
External Laboratory										X			X													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	STP02/0.1	Feb 05, 2024		Soil	S24-Fe0026288	X						X				X		X	X							
2	STP02/0.4	Feb 05, 2024		Soil	S24-Fe0026289	X						X				X		X	X							
3	STP03/0.1	Feb 05, 2024		Soil	S24-Fe0026290	X						X				X		X	X							
4	STP05/0.1	Feb 05, 2024		Soil	S24-Fe0026291	X						X				X		X	X						X	
5	STP04/0.1	Feb 05, 2024		Soil	S24-Fe0026292	X						X				X		X	X							
6	STP04/0.5	Feb 05, 2024		Soil	S24-Fe0026293	X						X				X		X	X							
7	STP07/0.1	Feb 05, 2024		Soil	S24-Fe0026294	X						X		X		X		X	X							
8	STP07/0.5	Feb 05, 2024		Soil	S24-Fe0026295	X						X		X		X		X	X							
9	STP08/0.1	Feb 05, 2024		Soil	S24-Fe0026296	X						X		X		X		X	X							
10	STP08/0.4	Feb 05, 2024		Soil	S24-Fe0026297	X						X		X		X		X	X							
11	STP09/0.1	Feb 05, 2024		Soil	S24-Fe0026298	X						X				X		X	X							

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
12	STP09/0.3	Feb 05, 2024		Soil	S24-Fe0026299	X						X				X		X	X							
13	STP18/0.1	Feb 05, 2024		Soil	S24-Fe0026300	X						X				X		X	X							
14	STP27/0.1	Feb 05, 2024		Soil	S24-Fe0026301	X						X		X		X		X	X							
15	STP26/0.1	Feb 05, 2024		Soil	S24-Fe0026302	X						X		X		X		X	X							
16	STP26/0.5	Feb 05, 2024		Soil	S24-Fe0026303	X						X				X		X	X							
17	STP17/0.1	Feb 05, 2024		Soil	S24-Fe0026304	X						X				X		X	X							
18	STP17/0.6	Feb 05, 2024		Soil	S24-Fe0026305	X						X				X		X	X							
19	STP25/0.1	Feb 05, 2024		Soil	S24-Fe0026306											X		X	X		X					
20	STP25/0.3	Feb 05, 2024		Soil	S24-Fe0026307											X		X	X		X					
21	STP25/0.8	Feb 05, 2024		Soil	S24-Fe0026308											X		X	X		X					
22	STP10/0.1	Feb 05, 2024		Soil	S24-Fe0026309		X									X		X	X		X					
23	STP10/0.5	Feb 05, 2024		Soil	S24-Fe0026310											X		X	X		X					
24	STP10/0.9	Feb 05, 2024		Soil	S24-Fe0026311											X		X	X		X					
25	STP16/0.1	Feb 05, 2024		Soil	S24-Fe0026312											X		X	X		X					

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Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
26	STP16/0.4	Feb 05, 2024		Soil	S24-Fe0026313											X		X	X		X					
27	STP15/0.1	Feb 05, 2024		Soil	S24-Fe0026314	X						X				X		X	X							
28	STP14/0.1	Feb 05, 2024		Soil	S24-Fe0026315											X		X	X		X					
29	STP14/0.3	Feb 05, 2024		Soil	S24-Fe0026316											X		X	X		X					
30	STP34/0.2	Feb 06, 2024		Soil	S24-Fe0026317											X		X	X		X					
31	STP34/0.5	Feb 06, 2024		Soil	S24-Fe0026318											X		X	X		X					
32	STP34/1.0	Feb 06, 2024		Soil	S24-Fe0026319											X		X	X		X					
33	STP33/0.1	Feb 06, 2024		Soil	S24-Fe0026320											X		X	X		X					
34	STP33/0.4	Feb 06, 2024		Soil	S24-Fe0026321											X		X	X		X					
35	STP35/0.1	Feb 06, 2024		Soil	S24-Fe0026322											X		X	X		X					
36	STP35/0.5	Feb 06, 2024		Soil	S24-Fe0026323											X		X	X		X					
37	STP36/0.1	Feb 06, 2024		Soil	S24-Fe0026324											X		X	X		X					
38	STP36/0.4	Feb 06, 2024		Soil	S24-Fe0026325											X		X	X		X					
39	SHA05/0.1	Feb 06, 2024		Soil	S24-Fe0026326	X						X				X		X	X						X	

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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
40	SHA05/0.5	Feb 06, 2024		Soil	S24-Fe0026327	X						X				X		X	X							
41	STP38/0.1	Feb 06, 2024		Soil	S24-Fe0026328											X		X	X		X					
42	STP38/0.3	Feb 06, 2024		Soil	S24-Fe0026329											X		X	X		X					
43	STP38/0.7	Feb 06, 2024		Soil	S24-Fe0026330											X		X	X		X					
44	STP37/0.1	Feb 06, 2024		Soil	S24-Fe0026331											X		X	X		X					
45	STP37/0.3	Feb 06, 2024		Soil	S24-Fe0026332											X		X	X		X					
46	STP37/0.7	Feb 06, 2024		Soil	S24-Fe0026333											X		X	X		X					
47	STP39/0.1	Feb 06, 2024		Soil	S24-Fe0026334											X		X	X		X					
48	STP39/0.5	Feb 06, 2024		Soil	S24-Fe0026335											X		X	X		X					
49	SHA06/0.1	Feb 06, 2024		Soil	S24-Fe0026336											X		X	X		X					
50	SHA06/0.5	Feb 06, 2024		Soil	S24-Fe0026337											X		X	X		X					
51	STP40/0.2	Feb 06, 2024		Soil	S24-Fe0026338											X		X	X		X					
52	STP40/0.5	Feb 06, 2024		Soil	S24-Fe0026339											X		X	X		X					
53	STP40/0.8	Feb 06, 2024		Soil	S24-Fe0026340											X		X	X		X					

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Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
54	STP42/0.1	Feb 06, 2024		Soil	S24-Fe0026341											X		X	X		X					
55	STP42/0.4	Feb 06, 2024		Soil	S24-Fe0026342											X		X	X		X					
56	STP45/0.1	Feb 06, 2024		Soil	S24-Fe0026343											X		X	X		X					
57	STP45/0.5	Feb 06, 2024		Soil	S24-Fe0026344		X									X		X	X		X					
58	STP45/1.5	Feb 06, 2024		Soil	S24-Fe0026345											X		X	X		X					
59	STP43/0.0	Feb 06, 2024		Soil	S24-Fe0026346											X		X	X		X					
60	STP43/0.1	Feb 06, 2024		Soil	S24-Fe0026347											X		X	X		X					
61	STP43/0.5	Feb 06, 2024		Soil	S24-Fe0026348											X		X	X		X					
62	SHA07/0.1	Feb 06, 2024		Soil	S24-Fe0026349											X		X	X		X					
63	SHA08/0.1	Feb 06, 2024		Soil	S24-Fe0026350										X	X		X	X		X					
64	SHA08/0.6	Feb 06, 2024		Soil	S24-Fe0026351										X	X		X	X		X					
65	SHA09/0.1	Feb 06, 2024		Soil	S24-Fe0026352											X		X	X		X					
66	SHA09/0.6	Feb 06, 2024		Soil	S24-Fe0026353											X		X	X		X					
67	SHA10/0.1	Feb 06, 2024		Soil	S24-Fe0026354											X		X	X		X					

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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
68	STP46/0.1	Feb 06, 2024		Soil	S24-Fe0026355											X		X	X		X					
69	STP46/0.8	Feb 06, 2024		Soil	S24-Fe0026356											X		X	X		X					
70	STP47/0.1	Feb 06, 2024		Soil	S24-Fe0026357		X									X		X	X		X					
71	STP47/1.2	Feb 06, 2024		Soil	S24-Fe0026358											X		X	X		X					
72	STP47/1.7	Feb 06, 2024		Soil	S24-Fe0026359											X		X	X		X					
73	SHA48/0.2	Feb 06, 2024		Soil	S24-Fe0026360											X		X	X		X					
74	SHA48/0.6	Feb 06, 2024		Soil	S24-Fe0026361											X		X	X		X					
75	STP44/0.1	Feb 06, 2024		Soil	S24-Fe0026362	X						X				X		X	X							
76	STP44/0.5	Feb 06, 2024		Soil	S24-Fe0026363	X						X				X		X	X							
77	SHA11/0.1	Feb 06, 2024		Soil	S24-Fe0026364	X						X				X		X	X							
78	SHA12/0.1	Feb 06, 2024		Soil	S24-Fe0026365	X						X				X		X	X						X	
79	SHA12/0.5	Feb 06, 2024		Soil	S24-Fe0026366	X						X				X		X	X							
80	STP49/0.1	Feb 06, 2024		Soil	S24-Fe0026367	X						X				X		X	X							
81	STP49/0.5	Feb 06, 2024		Soil	S24-Fe0026368	X						X				X		X	X							

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
82	STP01/0.1	Feb 07, 2024		Soil	S24-Fe0026369	X			X			X				X	X	X	X						X		
83	STP01/0.5	Feb 07, 2024		Soil	S24-Fe0026370	X			X			X				X	X	X	X								
84	STP06/0.1	Feb 07, 2024		Soil	S24-Fe0026371	X			X			X				X	X	X	X						X		
85	STP06/0.5	Feb 07, 2024		Soil	S24-Fe0026372	X			X			X				X	X	X	X								
86	STP19/0.1	Feb 07, 2024		Soil	S24-Fe0026373	X			X			X				X	X	X	X						X		
87	STP19/0.5	Feb 07, 2024		Soil	S24-Fe0026374	X			X			X				X	X	X	X								
88	STP24/0.1	Feb 07, 2024		Soil	S24-Fe0026375	X						X				X		X	X								
89	STP24/0.5	Feb 07, 2024		Soil	S24-Fe0026376	X						X				X		X	X								
90	STP23/0.1	Feb 07, 2024		Soil	S24-Fe0026377	X						X				X		X	X								
91	STP22/0.1	Feb 07, 2024		Soil	S24-Fe0026378											X		X	X		X						
92	STP22/0.5	Feb 07, 2024		Soil	S24-Fe0026379											X		X	X		X						
93	SHA01/0.1	Feb 07, 2024		Soil	S24-Fe0026380	X						X		X		X		X	X								
94	SHA02/0.1	Feb 07, 2024		Soil	S24-Fe0026381	X			X			X				X	X	X	X						X		
95	SHA02/0.5	Feb 07, 2024		Soil	S24-Fe0026382	X			X			X				X	X	X	X								

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
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Received: Feb 9, 2024 6:07 PM
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Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
96	STP13/0.1	Feb 07, 2024		Soil	S24-Fe0026383					X			X			X		X	X		X				X	
97	STP13/0.5	Feb 07, 2024		Soil	S24-Fe0026384					X			X			X		X	X		X					
98	STP21/0.1	Feb 07, 2024		Soil	S24-Fe0026385											X		X	X		X					
99	STP21/0.7	Feb 07, 2024		Soil	S24-Fe0026386											X		X	X		X					
100	STP20/0.1	Feb 07, 2024		Soil	S24-Fe0026387											X		X	X		X					
101	STP20/0.7	Feb 07, 2024		Soil	S24-Fe0026388											X		X	X		X					
102	STP12/0.1	Feb 07, 2024		Soil	S24-Fe0026389		X									X		X	X		X					
103	STP12/0.5	Feb 07, 2024		Soil	S24-Fe0026390											X		X	X		X					
104	STP12/1.1	Feb 07, 2024		Soil	S24-Fe0026391											X		X	X		X					
105	STP11/0.1	Feb 07, 2024		Soil	S24-Fe0026392				X							X	X	X	X		X			X		
106	STP11/0.5	Feb 07, 2024		Soil	S24-Fe0026393				X								X		X							
107	STP11/1.1	Feb 07, 2024		Soil	S24-Fe0026394				X							X	X	X	X		X					
108	STP32/0.1	Feb 07, 2024		Soil	S24-Fe0026395				X							X	X	X	X		X			X		
109	STP32/0.5	Feb 07, 2024		Soil	S24-Fe0026396				X							X	X	X	X		X					

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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
110	STP32/0.8	Feb 07, 2024		Soil	S24-Fe0026397				X								X		X							
111	SSED01	Feb 07, 2024		Sediment	S24-Fe0026398				X								X	X	X		X			X	X	
112	SSED02	Feb 07, 2024		Sediment	S24-Fe0026399				X								X	X	X		X			X	X	
113	STP41/0.1	Feb 07, 2024		Soil	S24-Fe0026400											X		X	X		X					
114	SHA15/0.1	Feb 07, 2024		Soil	S24-Fe0026401	X			X			X				X	X	X	X					X		
115	SHA15/0.5	Feb 07, 2024		Soil	S24-Fe0026402	X			X			X				X	X	X	X							
116	SHA03/0.1	Feb 07, 2024		Soil	S24-Fe0026403	X			X			X				X	X	X	X					X		
117	SHA03/0.5	Feb 07, 2024		Soil	S24-Fe0026404	X			X			X				X	X	X	X							
118	SHA29/0.1	Feb 08, 2024		Soil	S24-Fe0026405	X						X				X		X	X							
119	SHA29/0.6	Feb 08, 2024		Soil	S24-Fe0026406	X						X				X		X	X							
120	SHA28/0.1	Feb 08, 2024		Soil	S24-Fe0026407	X						X				X		X	X							
121	SHA30/0.1	Feb 08, 2024		Soil	S24-Fe0026408	X						X				X		X	X							
122	SHA30/0.6	Feb 08, 2024		Soil	S24-Fe0026409	X						X				X		X	X							
123	SHA31/0.1	Feb 08, 2024		Soil	S24-Fe0026410	X						X				X		X	X							

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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
124	SHA04/0.1	Feb 08, 2024		Soil	S24-Fe0026411	X						X				X		X	X							
125	SHA04/0.5	Feb 08, 2024		Soil	S24-Fe0026412	X						X				X		X	X							
126	SHA13/0.1	Feb 08, 2024		Soil	S24-Fe0026413	X						X				X		X	X							
127	SHA13/0.5	Feb 08, 2024		Soil	S24-Fe0026414	X						X				X		X	X							
128	SHA14/0.0	Feb 08, 2024		Soil	S24-Fe0026415	X						X			X	X		X	X							
129	SHA14/0.5	Feb 08, 2024		Soil	S24-Fe0026416	X						X			X	X		X	X							
130	SHA16/0.1	Feb 08, 2024		Soil	S24-Fe0026417										X	X		X	X		X					
131	SHA16/0.4	Feb 08, 2024		Soil	S24-Fe0026418										X	X		X	X		X					
132	STP33/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026419		X																			
133	STP34/0.0-0.3-SOIL	Feb 08, 2024		Soil	S24-Fe0026420		X																			
134	STP35/0.0-0.5-SOIL	Feb 08, 2024		Soil	S24-Fe0026421		X																			
135	STP47/0.0-	Feb 08, 2024		Soil	S24-Fe0026422		X																			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
135	STP47/0.0-1.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026422																					
136	STP46/0.0-0.7-SOIL	Feb 08, 2024		Soil	S24-Fe0026423		X																			
137	STP42/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026424		X																			
138	STP45/0.0-1.1-SOIL	Feb 08, 2024		Soil	S24-Fe0026425		X																			
139	STP45/0.0-1.1-ACM	Feb 08, 2024		Building Materials	S24-Fe0026426			X																		
140	STP43/0.0-0.2-SOIL	Feb 08, 2024		Soil	S24-Fe0026427		X																			
141	ACM-01	Feb 07, 2024		Building Materials	S24-Fe0026428			X																		
142	ACM-02	Feb 06, 2024		Building Materials	S24-Fe0026429			X																		

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
143	SSW01	Feb 08, 2024		Water	S24-Fe0026430													X			X		X	X		
144	SSW02	Feb 08, 2024		Water	S24-Fe0026431													X			X		X	X		
145	SOIL TRIP BLANK 1	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026432																	X				
146	SOIL TRIP BLANK 2	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026433																	X				
147	SOIL TRIP BLANK 3	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026434																	X				
148	SOIL TRIP BLANK 4	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026435																	X				
149	SOIL TRIP SPIKE 1	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026436																					X
150	SOIL TRIP SPIKE 2	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026437																					X
151	SOIL TRIP SPIKE 3	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026438																					X

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
152	SOIL TRIP SPIKE 4	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026439																					X
153	PFAS BLANK	Feb 07, 2024		Water	S24-Fe0026440																			X		
154	QA02	Feb 05, 2024		Soil	S24-Fe0026441	X						X				X		X	X							
155	QA03	Feb 06, 2024		Soil	S24-Fe0026442											X		X	X		X					
156	QA04	Feb 06, 2024		Soil	S24-Fe0026443											X		X	X		X					
157	QA05	Feb 06, 2024		Soil	S24-Fe0026444											X		X	X		X					
158	QA06	Feb 06, 2024		Soil	S24-Fe0026445	X						X				X		X	X							
159	QA07	Feb 07, 2024		Soil	S24-Fe0026446				X								X		X					X		
160	QA08	Feb 07, 2024		Soil	S24-Fe0026447				X							X	X	X	X					X		
161	QA09	Feb 08, 2024		Soil	S24-Fe0026448											X		X	X							
162	QA10	Feb 08, 2024		Water	S24-Fe0026449													X			X		X	X		
163	RINSATE01	Feb 06, 2024		Water	S24-Fe0026450											X		X			X		X			
164	RINSATE02	Feb 07, 2024		Water	S24-Fe0026451											X		X			X		X	X		

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Company Name: SMEC Australia Pty Ltd (SYD)
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
165	EIL-02	Feb 08, 2024		Soil	S24-Fe0026452														X	X						
166	EIL-04	Feb 08, 2024		Soil	S24-Fe0026453														X	X						
167	STP02/0.7	Feb 05, 2024		Soil	S24-Fe0026458						X															
168	STP03/0.3	Feb 05, 2024		Soil	S24-Fe0026459						X															
169	STP03/0.8	Feb 05, 2024		Soil	S24-Fe0026460						X															
170	STP05/0.4	Feb 05, 2024		Soil	S24-Fe0026461						X															
171	STP05/0.9	Feb 05, 2024		Soil	S24-Fe0026462						X															
172	STP04/0.8	Feb 05, 2024		Soil	S24-Fe0026463						X															
173	STP07/0.8	Feb 05, 2024		Soil	S24-Fe0026464						X															
174	STP08/1.0	Feb 05, 2024		Soil	S24-Fe0026465						X															
175	STP09/0.7	Feb 05, 2024		Soil	S24-Fe0026466						X															
176	STP18/0.6	Feb 05, 2024		Soil	S24-Fe0026467						X															
177	STP27/0.3	Feb 05, 2024		Soil	S24-Fe0026468						X															
178	STP27/0.8	Feb 05, 2024		Soil	S24-Fe0026469						X															

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Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
179	STP26/1.0	Feb 05, 2024		Soil	S24-Fe0026470						X															
180	STP17/0.9	Feb 05, 2024		Soil	S24-Fe0026471						X															
181	STP16/1.0	Feb 05, 2024		Soil	S24-Fe0026472						X															
182	STP15/0.4	Feb 05, 2024		Soil	S24-Fe0026473						X															
183	STP15/0.8	Feb 05, 2024		Soil	S24-Fe0026474						X															
184	STP14/0.8	Feb 05, 2024		Soil	S24-Fe0026475						X															
185	STP34/0.0	Feb 06, 2024		Soil	S24-Fe0026476						X															
186	STP33/0.7	Feb 06, 2024		Soil	S24-Fe0026477						X															
187	STP35/0.8	Feb 06, 2024		Soil	S24-Fe0026478						X															
188	STP36/0.9	Feb 06, 2024		Soil	S24-Fe0026479						X															
189	STP39/1.0	Feb 06, 2024		Soil	S24-Fe0026480						X															
190	STP42/0.7	Feb 06, 2024		Soil	S24-Fe0026481						X															
191	STP45/1.0	Feb 06, 2024		Soil	S24-Fe0026482						X															
192	STP43/0.8	Feb 06, 2024		Soil	S24-Fe0026483						X															

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Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
193	SHA07/0.6	Feb 06, 2024		Soil	S24-Fe0026484						X															
194	SHA10/0.5	Feb 06, 2024		Soil	S24-Fe0026485						X															
195	STP46/0.5	Feb 06, 2024		Soil	S24-Fe0026486						X															
196	STP47/0.6	Feb 06, 2024		Soil	S24-Fe0026487						X															
197	SHA11/0.5	Feb 06, 2024		Soil	S24-Fe0026488						X															
198	STP23/0.5	Feb 07, 2024		Soil	S24-Fe0026489						X															
199	SHA01/0.5	Feb 07, 2024		Soil	S24-Fe0026490						X															
200	STP41/0.6	Feb 07, 2024		Soil	S24-Fe0026491						X															
201	SHA28/0.6	Feb 08, 2024		Soil	S24-Fe0026492						X															
202	SHA31/0.6	Feb 08, 2024		Soil	S24-Fe0026493						X															
203	WATER TRIP BLANK 1	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026494																	X				
204	WATER TRIP BLANK 2	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026495																	X				

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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: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
205	WATER TRIP SPIKE 1	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026496																					X
206	WATER TRIP SPIKE 2	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026497																					X
207	QA01	Feb 05, 2024		Soil	S24-Fe0026498						X															
208	EIL-01	Feb 08, 2024		Soil	S24-Fe0026499						X															
209	EIL-03	Feb 08, 2024		Soil	S24-Fe0026500						X															
Test Counts						58	12	3	22	2	39	58	2	7	6	136	22	141	141	2	81	6	5	17	6	6

eurofins | Environment Testing

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							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Acid Herbicides							
2.4-D	mg/kg	< 0.5			0.5	Pass	
2.4-DB	mg/kg	< 0.5			0.5	Pass	
2.4.5-T	mg/kg	< 0.5			0.5	Pass	
2.4.5-TP	mg/kg	< 0.5			0.5	Pass	
Actril (loxynil)	mg/kg	< 0.5			0.5	Pass	
Dicamba	mg/kg	< 0.5			0.5	Pass	
Dichlorprop	mg/kg	< 0.5			0.5	Pass	
Dinitro-o-cresol	mg/kg	< 0.5			0.5	Pass	
Dinoseb	mg/kg	< 0.5			0.5	Pass	
MCPA	mg/kg	< 0.5			0.5	Pass	
MCPB	mg/kg	< 0.5			0.5	Pass	
Mecoprop	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
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	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Phosphorus	mg/kg	< 10			10	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Total Organic Carbon	%	< 0.1			0.1	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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 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							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
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							
Synthetic Pyrethroids*							
Allethrin*	mg/kg	< 2			2	Pass	
Cyfluthrin*	mg/kg	< 2			2	Pass	
Cypermethrin (total)*	mg/kg	< 2			2	Pass	
Fenvalerate*	mg/kg	< 2			2	Pass	
Permethrin	mg/kg	< 2			2	Pass	
Phenothrin*	mg/kg	< 2			2	Pass	
Resmethrin*	mg/kg	< 2			2	Pass	
Tetramethrin*	mg/kg	< 2			2	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	92			70-130	Pass	
4.4'-DDD	%	96			70-130	Pass	
4.4'-DDE	%	96			70-130	Pass	
4.4'-DDT	%	81			70-130	Pass	
a-HCH	%	95			70-130	Pass	
Aldrin	%	91			70-130	Pass	
b-HCH	%	94			70-130	Pass	
d-HCH	%	98			70-130	Pass	
Dieldrin	%	98			70-130	Pass	
Endosulfan I	%	98			70-130	Pass	
Endosulfan II	%	92			70-130	Pass	
Endosulfan sulphate	%	74			70-130	Pass	
Endrin	%	84			70-130	Pass	
Endrin aldehyde	%	82			70-130	Pass	
Endrin ketone	%	84			70-130	Pass	
g-HCH (Lindane)	%	104			70-130	Pass	
Heptachlor	%	103			70-130	Pass	
Heptachlor epoxide	%	89			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobenzene	%	91			70-130	Pass	
Methoxychlor	%	94			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	75			70-130	Pass	
Dimethoate	%	77			70-130	Pass	
Ethion	%	99			70-130	Pass	
Fenitrothion	%	100			70-130	Pass	
Methyl parathion	%	86			70-130	Pass	
Mevinphos	%	83			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	87			70-130	Pass	
Aroclor-1260	%	95			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	73			70-130	Pass	
2.4-DB	%	95			70-130	Pass	
2.4.5-T	%	73			70-130	Pass	
2.4.5-TP	%	75			70-130	Pass	
Actril (loxynil)	%	70			70-130	Pass	
Dicamba	%	86			70-130	Pass	
Dichlorprop	%	85			70-130	Pass	
Dinitro-o-cresol	%	98			70-130	Pass	
Dinoseb	%	94			70-130	Pass	
MCPA	%	71			70-130	Pass	
MCPB	%	99			70-130	Pass	
Mecoprop	%	76			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	99			80-120	Pass	
Arsenic	%	104			80-120	Pass	
Cadmium	%	101			80-120	Pass	
Chromium	%	108			80-120	Pass	
Copper	%	106			80-120	Pass	
Iron	%	104			80-120	Pass	
Lead	%	111			80-120	Pass	
Lead	%	102			80-120	Pass	
Mercury	%	104			80-120	Pass	
Nickel	%	107			80-120	Pass	
Zinc	%	105			80-120	Pass	
Zinc	%	111			80-120	Pass	
LCS - % Recovery							
Phosphorus	%	110			80-120	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	98			70-130	Pass	
Naphthalene	%	127			70-130	Pass	
% Clay	%	97			70-130	Pass	
Total Organic Carbon	%	105			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	97			70-130	Pass	
TRH C10-C14	%	82			70-130	Pass	
TRH C6-C10	%	94			70-130	Pass	
TRH >C10-C16	%	77			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	99			70-130	Pass	
1.1.1-Trichloroethane	%	78			70-130	Pass	
1.2-Dichlorobenzene	%	119			70-130	Pass	
1.2-Dichloroethane	%	125			70-130	Pass	
Benzene	%	97			70-130	Pass	
Ethylbenzene	%	89			70-130	Pass	
m&p-Xylenes	%	89			70-130	Pass	
o-Xylene	%	91			70-130	Pass	
Toluene	%	98			70-130	Pass	
Trichloroethene	%	82			70-130	Pass	
Xylenes - Total*	%	90			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	120			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	93			70-130	Pass	
Acenaphthylene	%	98			70-130	Pass	
Anthracene	%	81			70-130	Pass	
Benz(a)anthracene	%	98			70-130	Pass	
Benzo(a)pyrene	%	103			70-130	Pass	
Benzo(b&j)fluoranthene	%	90			70-130	Pass	
Benzo(g.h.i)perylene	%	97			70-130	Pass	
Benzo(k)fluoranthene	%	100			70-130	Pass	
Chrysene	%	99			70-130	Pass	
Dibenz(a.h)anthracene	%	97			70-130	Pass	
Fluoranthene	%	91			70-130	Pass	
Fluorene	%	97			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	101			70-130	Pass	
Naphthalene	%	98			70-130	Pass	
Phenanthrene	%	88			70-130	Pass	
Pyrene	%	94			70-130	Pass	
LCS - % Recovery							
Synthetic Pyrethroids*							
Cyfluthrin*	%	95			70-130	Pass	
Cypermethrin (total)*	%	105			70-130	Pass	
Permethrin	%	91			70-130	Pass	
Resmethrin*	%	112			70-130	Pass	
Tetramethrin*	%	127			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	106			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	103			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	105			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	110			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	106			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	105			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	129			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	120			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	109			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	118			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	121			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	102			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	110			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	107			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	106			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	116			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	97			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	133			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	101			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	109			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	95			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	95			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	105			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	111			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	114			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	109			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	117			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	111			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	104			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	96			50-150	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	91			70-130	Pass	
Toluene	%	100			70-130	Pass	
Ethylbenzene	%	102			70-130	Pass	
m&p-Xylenes	%	106			70-130	Pass	
o-Xylene	%	106			70-130	Pass	
Xylenes - Total*	%	106			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026291	CP	%	78			70-130	Pass	
4.4'-DDD	S24-Fe0026291	CP	%	76			70-130	Pass	
4.4'-DDE	S24-Fe0026291	CP	%	82			70-130	Pass	
4.4'-DDT	S24-Fe0026291	CP	%	92			70-130	Pass	
a-HCH	S24-Fe0026291	CP	%	79			70-130	Pass	
Aldrin	S24-Fe0026291	CP	%	77			70-130	Pass	
b-HCH	S24-Fe0026291	CP	%	78			70-130	Pass	
d-HCH	S24-Fe0026291	CP	%	83			70-130	Pass	
Dieldrin	S24-Fe0026291	CP	%	83			70-130	Pass	
Endosulfan I	S24-Fe0026291	CP	%	87			70-130	Pass	
Endosulfan II	S24-Fe0026291	CP	%	93			70-130	Pass	
Endosulfan sulphate	S24-Fe0026291	CP	%	88			70-130	Pass	
Endrin	S24-Fe0026291	CP	%	95			70-130	Pass	
Endrin aldehyde	S24-Fe0026291	CP	%	88			70-130	Pass	
Endrin ketone	S24-Fe0026291	CP	%	81			70-130	Pass	
g-HCH (Lindane)	S24-Fe0026291	CP	%	85			70-130	Pass	
Heptachlor	S24-Fe0026291	CP	%	78			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor epoxide	S24-Fe0026291	CP	%	72			70-130	Pass	
Hexachlorobenzene	S24-Fe0026291	CP	%	80			70-130	Pass	
Methoxychlor	S24-Fe0026291	CP	%	82			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Fe0026291	CP	%	79			70-130	Pass	
Aroclor-1260	S24-Fe0026291	CP	%	97			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
2.4-D	N24-Fe0012002	NCP	%	67			70-130	Fail	Q08
Spike - % Recovery									
				Result 1					
Total Kjeldahl Nitrogen (as N)	M24-Fe0032204	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026292	CP	%	94			75-125	Pass	
Cadmium	S24-Fe0026292	CP	%	96			75-125	Pass	
Chromium	S24-Fe0026292	CP	%	101			75-125	Pass	
Copper	S24-Fe0026292	CP	%	98			75-125	Pass	
Lead	S24-Fe0026292	CP	%	97			75-125	Pass	
Mercury	S24-Fe0026292	CP	%	101			75-125	Pass	
Nickel	S24-Fe0026292	CP	%	96			75-125	Pass	
Zinc	S24-Fe0026292	CP	%	90			75-125	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S24-Fe0026301	CP	%	93			70-130	Pass	
Dimethoate	S24-Fe0026301	CP	%	71			70-130	Pass	
Ethion	S24-Fe0026301	CP	%	84			70-130	Pass	
Methyl parathion	S24-Fe0026301	CP	%	84			70-130	Pass	
Mevinphos	S24-Fe0026301	CP	%	86			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026302	CP	%	98			75-125	Pass	
Cadmium	S24-Fe0026302	CP	%	97			75-125	Pass	
Chromium	S24-Fe0026302	CP	%	104			75-125	Pass	
Copper	S24-Fe0026302	CP	%	102			75-125	Pass	
Lead	S24-Fe0026302	CP	%	103			75-125	Pass	
Mercury	S24-Fe0026302	CP	%	102			75-125	Pass	
Nickel	S24-Fe0026302	CP	%	104			75-125	Pass	
Zinc	S24-Fe0026302	CP	%	107			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S24-Fe0041778	NCP	%	75			70-130	Pass	
TRH >C10-C16	S24-Fe0041778	NCP	%	72			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Trichloroethene	S24-Fe0028701	NCP	%	99			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-Fe0026307	CP	%	87			70-130	Pass	
Acenaphthylene	S24-Fe0026307	CP	%	88			70-130	Pass	
Anthracene	S24-Fe0026307	CP	%	85			70-130	Pass	
Benz(a)anthracene	S24-Fe0026307	CP	%	85			70-130	Pass	
Benzo(a)pyrene	S24-Fe0026307	CP	%	91			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzo(b&j)fluoranthene	S24-Fe0026307	CP	%	90			70-130	Pass	
Benzo(g.h.i)perylene	S24-Fe0026307	CP	%	84			70-130	Pass	
Benzo(k)fluoranthene	S24-Fe0026307	CP	%	84			70-130	Pass	
Chrysene	S24-Fe0026307	CP	%	84			70-130	Pass	
Dibenz(a.h)anthracene	S24-Fe0026307	CP	%	89			70-130	Pass	
Fluoranthene	S24-Fe0026307	CP	%	89			70-130	Pass	
Fluorene	S24-Fe0026307	CP	%	89			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026307	CP	%	89			70-130	Pass	
Naphthalene	S24-Fe0026307	CP	%	88			70-130	Pass	
Phenanthrene	S24-Fe0026307	CP	%	89			70-130	Pass	
Pyrene	S24-Fe0026307	CP	%	87			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S24-Ja0035600	NCP	%	72			70-130	Pass	
TRH C6-C10	S24-Ja0035600	NCP	%	73			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
1.1.1-Trichloroethane	S24-Ja0043234	NCP	%	70			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S24-Fe0026320	CP	%	102			70-130	Pass	
Dimethoate	S24-Fe0026320	CP	%	83			70-130	Pass	
Fenitrothion	S24-Fe0026320	CP	%	94			70-130	Pass	
Methyl parathion	S24-Fe0026320	CP	%	108			70-130	Pass	
Mevinphos	S24-Fe0026320	CP	%	83			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026321	CP	%	95			70-130	Pass	
4.4'-DDD	S24-Fe0026321	CP	%	101			70-130	Pass	
4.4'-DDE	S24-Fe0026321	CP	%	80			70-130	Pass	
4.4'-DDT	S24-Fe0026321	CP	%	121			70-130	Pass	
a-HCH	S24-Fe0026321	CP	%	90			70-130	Pass	
Aldrin	S24-Fe0026321	CP	%	85			70-130	Pass	
b-HCH	S24-Fe0026321	CP	%	84			70-130	Pass	
d-HCH	S24-Fe0026321	CP	%	92			70-130	Pass	
Dieldrin	S24-Fe0026321	CP	%	87			70-130	Pass	
Endosulfan I	S24-Fe0026321	CP	%	97			70-130	Pass	
Endosulfan II	S24-Fe0026321	CP	%	99			70-130	Pass	
Endosulfan sulphate	S24-Fe0026321	CP	%	89			70-130	Pass	
Endrin	S24-Fe0026321	CP	%	118			70-130	Pass	
Endrin aldehyde	S24-Fe0026321	CP	%	84			70-130	Pass	
Endrin ketone	S24-Fe0026321	CP	%	102			70-130	Pass	
g-HCH (Lindane)	S24-Fe0026321	CP	%	102			70-130	Pass	
Heptachlor	S24-Fe0026321	CP	%	111			70-130	Pass	
Heptachlor epoxide	S24-Fe0026321	CP	%	100			70-130	Pass	
Hexachlorobenzene	S24-Fe0026321	CP	%	89			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Fe0026321	CP	%	79			70-130	Pass	
Aroclor-1260	S24-Fe0026321	CP	%	89			70-130	Pass	
Spike - % Recovery									
				Result 1					
Naphthalene	S24-Fe0026325	CP	%	84			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Volatile Organics				Result 1					
1.1-Dichloroethene	S24-Fe0026325	CP	%	75			70-130	Pass	
1.2-Dichlorobenzene	S24-Fe0026325	CP	%	84			70-130	Pass	
1.2-Dichloroethane	S24-Fe0026325	CP	%	94			70-130	Pass	
Benzene	S24-Fe0026325	CP	%	71			70-130	Pass	
Ethylbenzene	S24-Fe0026325	CP	%	73			70-130	Pass	
m&p-Xylenes	S24-Fe0026325	CP	%	80			70-130	Pass	
o-Xylene	S24-Fe0026325	CP	%	81			70-130	Pass	
Toluene	S24-Fe0026325	CP	%	81			70-130	Pass	
Xylenes - Total*	S24-Fe0026325	CP	%	81			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026332	CP	%	88			75-125	Pass	
Cadmium	S24-Fe0026332	CP	%	91			75-125	Pass	
Chromium	S24-Fe0026332	CP	%	93			75-125	Pass	
Copper	S24-Fe0026332	CP	%	98			75-125	Pass	
Lead	S24-Fe0026332	CP	%	96			75-125	Pass	
Mercury	S24-Fe0026332	CP	%	92			75-125	Pass	
Nickel	S24-Fe0026332	CP	%	87			75-125	Pass	
Zinc	S24-Fe0026332	CP	%	98			75-125	Pass	
Spike - % Recovery									
				Result 1					
Naphthalene	S24-Fe0026337	CP	%	86			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S24-Fe0026337	CP	%	78			70-130	Pass	
Ethylbenzene	S24-Fe0026337	CP	%	90			70-130	Pass	
m&p-Xylenes	S24-Fe0026337	CP	%	96			70-130	Pass	
o-Xylene	S24-Fe0026337	CP	%	99			70-130	Pass	
Toluene	S24-Fe0026337	CP	%	97			70-130	Pass	
Xylenes - Total*	S24-Fe0026337	CP	%	97			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026342	CP	%	104			75-125	Pass	
Cadmium	S24-Fe0026342	CP	%	104			75-125	Pass	
Chromium	S24-Fe0026342	CP	%	100			75-125	Pass	
Copper	S24-Fe0026342	CP	%	109			75-125	Pass	
Lead	S24-Fe0026342	CP	%	108			75-125	Pass	
Mercury	S24-Fe0026342	CP	%	102			75-125	Pass	
Nickel	S24-Fe0026342	CP	%	104			75-125	Pass	
Zinc	S24-Fe0026342	CP	%	111			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-Fe0026350	CP	%	83			70-130	Pass	
Acenaphthylene	S24-Fe0026350	CP	%	85			70-130	Pass	
Anthracene	S24-Fe0026350	CP	%	81			70-130	Pass	
Benz(a)anthracene	S24-Fe0026350	CP	%	82			70-130	Pass	
Benzo(a)pyrene	S24-Fe0026350	CP	%	87			70-130	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026350	CP	%	87			70-130	Pass	
Benzo(g.h.i)perylene	S24-Fe0026350	CP	%	81			70-130	Pass	
Benzo(k)fluoranthene	S24-Fe0026350	CP	%	86			70-130	Pass	
Chrysene	S24-Fe0026350	CP	%	78			70-130	Pass	
Dibenz(a.h)anthracene	S24-Fe0026350	CP	%	84			70-130	Pass	
Fluoranthene	S24-Fe0026350	CP	%	86			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluorene	S24-Fe0026350	CP	%	84			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026350	CP	%	84			70-130	Pass	
Naphthalene	S24-Fe0026350	CP	%	84			70-130	Pass	
Phenanthrene	S24-Fe0026350	CP	%	86			70-130	Pass	
Pyrene	S24-Fe0026350	CP	%	84			70-130	Pass	
Spike - % Recovery									
Synthetic Pyrethroids*				Result 1					
Cyfluthrin*	S24-Fe0009249	NCP	%	86			70-130	Pass	
Cypermethrin (total)*	B24-Ja0034503	NCP	%	74			70-130	Pass	
Permethrin	S24-Fe0009249	NCP	%	126			70-130	Pass	
Resmethrin*	B24-Ja0034466	NCP	%	71			70-130	Pass	
Tetramethrin*	S24-Fe0009249	NCP	%	97			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
Actril (loxynil)	S24-Fe0026354	CP	%	103			70-130	Pass	
Dichlorprop	S24-Fe0026354	CP	%	91			70-130	Pass	
MCPA	S24-Fe0026354	CP	%	82			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026362	CP	%	104			75-125	Pass	
Cadmium	S24-Fe0026362	CP	%	102			75-125	Pass	
Chromium	S24-Fe0026362	CP	%	101			75-125	Pass	
Copper	S24-Fe0026362	CP	%	92			75-125	Pass	
Lead	S24-Fe0026362	CP	%	104			75-125	Pass	
Mercury	S24-Fe0026362	CP	%	99			75-125	Pass	
Nickel	S24-Fe0026362	CP	%	92			75-125	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
Actril (loxynil)	S24-Fe0026367	CP	%	104			70-130	Pass	
Dichlorprop	S24-Fe0026367	CP	%	116			70-130	Pass	
MCPA	S24-Fe0026367	CP	%	77			70-130	Pass	
MCPB	S24-Fe0026367	CP	%	80			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026381	CP	%	95			70-130	Pass	
4.4'-DDD	S24-Fe0026381	CP	%	87			70-130	Pass	
4.4'-DDE	S24-Fe0026381	CP	%	98			70-130	Pass	
4.4'-DDT	S24-Fe0026381	CP	%	79			70-130	Pass	
Aldrin	S24-Fe0026381	CP	%	91			70-130	Pass	
b-HCH	S24-Fe0026381	CP	%	86			70-130	Pass	
d-HCH	S24-Fe0026381	CP	%	89			70-130	Pass	
Dieldrin	S24-Fe0026381	CP	%	98			70-130	Pass	
Endosulfan I	S24-Fe0026381	CP	%	98			70-130	Pass	
Endosulfan II	S24-Fe0026381	CP	%	108			70-130	Pass	
Endosulfan sulphate	S24-Fe0026381	CP	%	108			70-130	Pass	
Endrin	S24-Fe0026381	CP	%	105			70-130	Pass	
Endrin aldehyde	S24-Fe0026381	CP	%	113			70-130	Pass	
Endrin ketone	S24-Fe0026381	CP	%	105			70-130	Pass	
Heptachlor	S24-Fe0026381	CP	%	92			70-130	Pass	
Heptachlor epoxide	S24-Fe0026381	CP	%	87			70-130	Pass	
Hexachlorobenzene	S24-Fe0026381	CP	%	96			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026382	CP	%	98			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Cadmium	S24-Fe0026382	CP	%	101			75-125	Pass	
Chromium	S24-Fe0026382	CP	%	113			75-125	Pass	
Copper	S24-Fe0026382	CP	%	108			75-125	Pass	
Lead	S24-Fe0026382	CP	%	114			75-125	Pass	
Mercury	S24-Fe0026382	CP	%	106			75-125	Pass	
Nickel	S24-Fe0026382	CP	%	104			75-125	Pass	
Spike - % Recovery									
				Result 1					
Naphthalene	S24-Fe0026389	CP	%	92			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S24-Fe0026389	CP	%	78			70-130	Pass	
Ethylbenzene	S24-Fe0026389	CP	%	95			70-130	Pass	
m&p-Xylenes	S24-Fe0026389	CP	%	101			70-130	Pass	
o-Xylene	S24-Fe0026389	CP	%	103			70-130	Pass	
Toluene	S24-Fe0026389	CP	%	99			70-130	Pass	
Xylenes - Total*	S24-Fe0026389	CP	%	102			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026390	CP	%	81			70-130	Pass	
4.4'-DDD	S24-Fe0026390	CP	%	83			70-130	Pass	
4.4'-DDE	S24-Fe0026390	CP	%	87			70-130	Pass	
a-HCH	S24-Fe0026390	CP	%	82			70-130	Pass	
Aldrin	S24-Fe0026390	CP	%	83			70-130	Pass	
b-HCH	S24-Fe0026390	CP	%	81			70-130	Pass	
d-HCH	S24-Fe0026390	CP	%	83			70-130	Pass	
Dieldrin	S24-Fe0026390	CP	%	83			70-130	Pass	
Endosulfan I	S24-Fe0026390	CP	%	75			70-130	Pass	
Endosulfan II	S24-Fe0026390	CP	%	84			70-130	Pass	
Endosulfan sulphate	S24-Fe0026390	CP	%	78			70-130	Pass	
Endrin	S24-Fe0026390	CP	%	80			70-130	Pass	
Endrin ketone	S24-Fe0026390	CP	%	81			70-130	Pass	
g-HCH (Lindane)	S24-Fe0026390	CP	%	86			70-130	Pass	
Heptachlor	S24-Fe0026390	CP	%	85			70-130	Pass	
Heptachlor epoxide	S24-Fe0026390	CP	%	82			70-130	Pass	
Hexachlorobenzene	S24-Fe0026390	CP	%	88			70-130	Pass	
Methoxychlor	S24-Fe0026390	CP	%	76			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	S24-Fe0026390	CP	%	77			70-130	Pass	
Ethion	S24-Fe0026390	CP	%	79			70-130	Pass	
Methyl parathion	S24-Fe0026390	CP	%	83			70-130	Pass	
Mevinphos	S24-Fe0026390	CP	%	80			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Fe0026390	CP	%	81			70-130	Pass	
Aroclor-1260	S24-Fe0026390	CP	%	80			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-Fe0026390	CP	%	84			70-130	Pass	
Acenaphthylene	S24-Fe0026390	CP	%	86			70-130	Pass	
Anthracene	S24-Fe0026390	CP	%	81			70-130	Pass	
Benz(a)anthracene	S24-Fe0026390	CP	%	83			70-130	Pass	
Benzo(a)pyrene	S24-Fe0026390	CP	%	87			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzo(b&j)fluoranthene	S24-Fe0026390	CP	%	83			70-130	Pass	
Benzo(g.h.i)perylene	S24-Fe0026390	CP	%	84			70-130	Pass	
Benzo(k)fluoranthene	S24-Fe0026390	CP	%	79			70-130	Pass	
Chrysene	S24-Fe0026390	CP	%	79			70-130	Pass	
Dibenz(a.h)anthracene	S24-Fe0026390	CP	%	87			70-130	Pass	
Fluoranthene	S24-Fe0026390	CP	%	82			70-130	Pass	
Fluorene	S24-Fe0026390	CP	%	85			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026390	CP	%	87			70-130	Pass	
Naphthalene	S24-Fe0026390	CP	%	84			70-130	Pass	
Phenanthrene	S24-Fe0026390	CP	%	84			70-130	Pass	
Pyrene	S24-Fe0026390	CP	%	80			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026391	CP	%	113			70-130	Pass	
4.4'-DDD	S24-Fe0026391	CP	%	112			70-130	Pass	
4.4'-DDE	S24-Fe0026391	CP	%	100			70-130	Pass	
a-HCH	S24-Fe0026391	CP	%	99			70-130	Pass	
Aldrin	S24-Fe0026391	CP	%	108			70-130	Pass	
b-HCH	S24-Fe0026391	CP	%	99			70-130	Pass	
d-HCH	S24-Fe0026391	CP	%	98			70-130	Pass	
Dieldrin	S24-Fe0026391	CP	%	108			70-130	Pass	
Endosulfan I	S24-Fe0026391	CP	%	104			70-130	Pass	
Endosulfan II	S24-Fe0026391	CP	%	119			70-130	Pass	
Endosulfan sulphate	S24-Fe0026391	CP	%	117			70-130	Pass	
Endrin aldehyde	S24-Fe0026391	CP	%	115			70-130	Pass	
Endrin ketone	S24-Fe0026391	CP	%	119			70-130	Pass	
g-HCH (Lindane)	S24-Fe0026391	CP	%	112			70-130	Pass	
Heptachlor	S24-Fe0026391	CP	%	109			70-130	Pass	
Heptachlor epoxide	S24-Fe0026391	CP	%	115			70-130	Pass	
Hexachlorobenzene	S24-Fe0026391	CP	%	106			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Fe0026391	CP	%	90			70-130	Pass	
Aroclor-1260	S24-Fe0026391	CP	%	103			70-130	Pass	
Spike - % Recovery									
				Result 1					
Nitrate & Nitrite (as N)	B24-Fe0034388	NCP	%	113			70-130	Pass	
Nitrite (as N)	B24-Fe0034388	NCP	%	111			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0026404	CP	%	113			75-125	Pass	
Cadmium	S24-Fe0026404	CP	%	108			75-125	Pass	
Chromium	S24-Fe0026404	CP	%	116			75-125	Pass	
Copper	S24-Fe0026404	CP	%	119			75-125	Pass	
Lead	S24-Fe0026404	CP	%	117			75-125	Pass	
Mercury	S24-Fe0026404	CP	%	109			75-125	Pass	
Nickel	S24-Fe0026404	CP	%	105			75-125	Pass	
Zinc	S24-Fe0026404	CP	%	111			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Fe0026413	CP	%	99			70-130	Pass	
4.4'-DDD	S24-Fe0026413	CP	%	97			70-130	Pass	
4.4'-DDE	S24-Fe0026413	CP	%	94			70-130	Pass	
4.4'-DDT	S24-Fe0026413	CP	%	105			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
a-HCH	S24-Fe0026413	CP	%	89			70-130	Pass	
Aldrin	S24-Fe0026413	CP	%	94			70-130	Pass	
b-HCH	S24-Fe0026413	CP	%	87			70-130	Pass	
d-HCH	S24-Fe0026413	CP	%	81			70-130	Pass	
Dieldrin	S24-Fe0026413	CP	%	91			70-130	Pass	
Endosulfan I	S24-Fe0026413	CP	%	100			70-130	Pass	
Endosulfan II	S24-Fe0026413	CP	%	95			70-130	Pass	
Endosulfan sulphate	S24-Fe0026413	CP	%	99			70-130	Pass	
Endrin	S24-Fe0026413	CP	%	107			70-130	Pass	
Endrin aldehyde	S24-Fe0026413	CP	%	100			70-130	Pass	
Endrin ketone	S24-Fe0026413	CP	%	105			70-130	Pass	
g-HCH (Lindane)	S24-Fe0026413	CP	%	99			70-130	Pass	
Heptachlor	S24-Fe0026413	CP	%	94			70-130	Pass	
Heptachlor epoxide	S24-Fe0026413	CP	%	99			70-130	Pass	
Hexachlorobenzene	S24-Fe0026413	CP	%	91			70-130	Pass	
Methoxychlor	S24-Fe0026413	CP	%	96			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Fe0026413	CP	%	90			70-130	Pass	
Aroclor-1260	S24-Fe0026413	CP	%	91			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S24-Fe0026446	CP	%	105			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0026446	CP	%	106			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0026446	CP	%	109			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0026446	CP	%	107			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0026446	CP	%	123			50-150	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0026446	CP	%	107			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0026446	CP	%	124			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0026446	CP	%	114			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0026446	CP	%	105			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0026446	CP	%	104			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0026446	CP	%	101			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S24-Fe0026446	CP	%	96			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0026446	CP	%	94			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0026446	CP	%	111			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0026446	CP	%	126			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0026446	CP	%	104			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0026446	CP	%	114			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0026446	CP	%	125			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0026446	CP	%	103			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorononanesulfonic acid (PFNS)	S24-Fe0026446	CP	%	109			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0026446	CP	%	97			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0026446	CP	%	93			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0026446	CP	%	98			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0026446	CP	%	103			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0026446	CP	%	105			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0026446	CP	%	114			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0026446	CP	%	87			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0026446	CP	%	138			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0026446	CP	%	88			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0026446	CP	%	123			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Iron	N24-Fe0023181	NCP	%	89			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026288	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endosulfan sulphate	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026289	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026289	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026289	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026289	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026289	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026289	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026289	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026290	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026290	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Ethoprop	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026290	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026290	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026290	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026290	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026290	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026293	CP	%	13	13	4.4	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026301	CP	mg/kg	7.9	7.3	7.2	30%	Pass	
Cadmium	S24-Fe0026301	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026301	CP	mg/kg	26	25	2.5	30%	Pass	
Copper	S24-Fe0026301	CP	mg/kg	46	45	2.3	30%	Pass	
Lead	S24-Fe0026301	CP	mg/kg	30	27	10	30%	Pass	
Mercury	S24-Fe0026301	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026301	CP	mg/kg	16	16	3.5	30%	Pass	
Zinc	S24-Fe0026301	CP	mg/kg	83	110	30	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026303	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026303	CP	%	20	19	4.5	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026306	CP	mg/kg	0.07	0.08	22	30%	Pass	
4.4'-DDT	S24-Fe0026306	CP	mg/kg	0.09	< 0.05	84	30%	Fail	Q15
a-HCH	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026306	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Coumaphos	S24-Fe0026306	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026306	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026306	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026306	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S24-Fe0041769	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Fe0041769	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Fe0041769	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S24-Fe0026306	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S24-Fe0041769	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Fe0041769	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Fe0041769	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
m&p-Xylenes	S24-Fe0026306	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026306	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026306	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026306	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026308	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026308	CP	mg/kg	3.8	4.6	20	30%	Pass	
Cadmium	S24-Fe0026308	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026308	CP	mg/kg	9.3	11	20	30%	Pass	
Copper	S24-Fe0026308	CP	mg/kg	24	29	19	30%	Pass	
Lead	S24-Fe0026308	CP	mg/kg	12	14	16	30%	Pass	
Mercury	S24-Fe0026308	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026308	CP	mg/kg	5.5	7.0	25	30%	Pass	
Zinc	S24-Fe0026308	CP	mg/kg	29	36	21	30%	Pass	

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026310	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026312	CP	mg/kg	3.7	4.2	13	30%	Pass	
Cadmium	S24-Fe0026312	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026312	CP	mg/kg	19	21	15	30%	Pass	
Copper	S24-Fe0026312	CP	mg/kg	33	31	5.8	30%	Pass	
Lead	S24-Fe0026312	CP	mg/kg	19	24	19	30%	Pass	
Mercury	S24-Fe0026312	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026312	CP	mg/kg	18	18	2.9	30%	Pass	
Zinc	S24-Fe0026312	CP	mg/kg	83	78	5.2	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026313	CP	%	16	17	5.3	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026313	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026313	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Allyl chloride	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026313	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026313	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026313	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026313	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026313	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026313	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026313	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026317	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026317	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.3-Dichlorobenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026317	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026317	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026317	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026317	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026317	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026317	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026317	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endrin	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026319	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026319	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026319	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026319	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026319	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026319	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026319	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026321	CP	mg/kg	6.9	8.5	20	30%	Pass	
Cadmium	S24-Fe0026321	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026321	CP	mg/kg	21	25	19	30%	Pass	
Copper	S24-Fe0026321	CP	mg/kg	22	23	4.2	30%	Pass	
Lead	S24-Fe0026321	CP	mg/kg	19	22	18	30%	Pass	
Mercury	S24-Fe0026321	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026321	CP	mg/kg	11	12	4.2	30%	Pass	
Zinc	S24-Fe0026321	CP	mg/kg	36	39	7.9	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026321	CP	mg/kg	110	150	24	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026322	CP	mg/kg	4.2	4.7	9.3	30%	Pass	
Cadmium	S24-Fe0026322	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026322	CP	mg/kg	19	17	14	30%	Pass	
Copper	S24-Fe0026322	CP	mg/kg	30	35	14	30%	Pass	
Lead	S24-Fe0026322	CP	mg/kg	54	61	12	30%	Pass	
Mercury	S24-Fe0026322	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026322	CP	mg/kg	17	14	24	30%	Pass	
Zinc	S24-Fe0026322	CP	mg/kg	100	95	8.3	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026323	CP	%	11	12	9.5	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026324	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026324	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026324	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026324	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026324	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026324	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026324	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026324	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026324	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026326	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026329	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026329	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026329	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
cis-1.2-Dichloroethene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026329	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026329	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026329	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026329	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026329	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026329	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026331	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026331	CP	mg/kg	3.8	3.2	17	30%	Pass	
Cadmium	S24-Fe0026331	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026331	CP	mg/kg	10	12	16	30%	Pass	
Copper	S24-Fe0026331	CP	mg/kg	30	33	9.4	30%	Pass	
Lead	S24-Fe0026331	CP	mg/kg	17	19	14	30%	Pass	
Mercury	S24-Fe0026331	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026331	CP	mg/kg	7.3	9.5	27	30%	Pass	
Zinc	S24-Fe0026331	CP	mg/kg	62	73	16	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026333	CP	%	11	11	3.8	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
Dicamba	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026336	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026336	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026336	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Ethylbenzene	S24-Fe0026336	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026336	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026336	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026336	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026336	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026336	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026341	CP	mg/kg	2.8	4.0	35	30%	Fail	Q15
Cadmium	S24-Fe0026341	CP	mg/kg	0.6	< 0.4	61	30%	Fail	Q15
Chromium	S24-Fe0026341	CP	mg/kg	20	20	<1	30%	Pass	
Copper	S24-Fe0026341	CP	mg/kg	63	80	23	30%	Pass	
Mercury	S24-Fe0026341	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026341	CP	mg/kg	44	36	19	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026343	CP	%	22	26	19	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026347	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endrin	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026349	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026349	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026349	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026349	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026349	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026349	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026349	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026351	CP	mg/kg	5.5	6.0	8.6	30%	Pass	
Cadmium	S24-Fe0026351	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026351	CP	mg/kg	18	21	18	30%	Pass	
Copper	S24-Fe0026351	CP	mg/kg	32	35	11	30%	Pass	
Lead	S24-Fe0026351	CP	mg/kg	13	14	12	30%	Pass	
Mercury	S24-Fe0026351	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026351	CP	mg/kg	12	12	7.7	30%	Pass	
Zinc	S24-Fe0026351	CP	mg/kg	52	59	12	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026351	CP	mg/kg	65	72	9.4	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026352	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026353	CP	%	20	16	20	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026365	CP	mg/kg	2500	1700	38	30%	Fail	Q02

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026366	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026368	CP	mg/kg	4.5	5.8	27	30%	Pass	
Cadmium	S24-Fe0026368	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026368	CP	mg/kg	16	20	23	30%	Pass	
Copper	S24-Fe0026368	CP	mg/kg	19	24	23	30%	Pass	
Lead	S24-Fe0026368	CP	mg/kg	15	19	24	30%	Pass	
Mercury	S24-Fe0026368	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026368	CP	mg/kg	< 5	6.2	24	30%	Pass	
Zinc	S24-Fe0026368	CP	mg/kg	23	30	24	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026369	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Acid Sulfate Soils Field pH Test				Result 1	Result 2	RPD			
pH-F (Field pH test)*	S24-Fe0026371	CP	pH Units	6.3	6.2	pass	20%	Pass	
pH-FOX (Field pH Peroxide test)*	S24-Fe0026371	CP	pH Units	4.1	4.1	pass	0%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026373	CP	%	12	13	4.5	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026381	CP	mg/kg	4.1	4.0	2.1	30%	Pass	
Cadmium	S24-Fe0026381	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026381	CP	mg/kg	20	20	1.4	30%	Pass	
Copper	S24-Fe0026381	CP	mg/kg	29	29	<1	30%	Pass	
Lead	S24-Fe0026381	CP	mg/kg	24	24	1.9	30%	Pass	
Mercury	S24-Fe0026381	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026381	CP	mg/kg	12	12	4.5	30%	Pass	
Zinc	S24-Fe0026381	CP	mg/kg	84	83	<1	30%	Pass	

Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026381	CP	mg/kg	530	600	12	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026383	CP	%	16	16	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026388	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026388	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
m&p-Xylenes	S24-Fe0026388	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026388	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026388	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026388	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026389	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026389	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Malathion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026389	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026389	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026389	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026389	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026389	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026391	CP	mg/kg	5.0	5.7	12	30%	Pass	
Cadmium	S24-Fe0026391	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026391	CP	mg/kg	12	13	8.4	30%	Pass	
Copper	S24-Fe0026391	CP	mg/kg	19	24	21	30%	Pass	
Lead	S24-Fe0026391	CP	mg/kg	14	16	15	30%	Pass	
Mercury	S24-Fe0026391	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026391	CP	mg/kg	5.4	6.9	24	30%	Pass	
Zinc	S24-Fe0026391	CP	mg/kg	31	41	27	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026393	CP	%	22	21	2.3	30%	Pass	
Duplicate									
Acid Sulfate Soils Field pH Test				Result 1	Result 2	RPD			
pH-F (Field pH test)*	S24-Fe0026396	CP	pH Units	5.1	5.1	pass	20%	Pass	
pH-FOX (Field pH Peroxide test)*	S24-Fe0026396	CP	pH Units	4.5	4.5	pass	0%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S24-Fe0026397	CP	uS/cm	150	120	16	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	S24-Fe0026398	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Nitrite (as N)	S24-Fe0026398	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
g-HCH (Lindane)	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bolstar	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Coumaphos	S24-Fe0026400	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Demeton-S	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Demeton-O	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Diazinon	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorvos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dimethoate	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Disulfoton	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
EPN	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethoprop	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethyl parathion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fenitrothion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fensulfothion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fenthion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Malathion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Merphos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methyl parathion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mevinphos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Monocrotophos	S24-Fe0026400	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Naled	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Omethoate	S24-Fe0026400	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Phorate	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrazophos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ronnel	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Terbufos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tokuthion	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloronate	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Total PCB*	S24-Fe0026400	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0026400	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S24-Fe0026400	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Fe0026400	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Fe0026400	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Fe0026400	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Fe0026400	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Fe0026400	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Fe0026400	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026400	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026403	CP	mg/kg	4.9	4.7	3.2	30%	Pass	
Cadmium	S24-Fe0026403	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026403	CP	mg/kg	13	14	11	30%	Pass	
Copper	S24-Fe0026403	CP	mg/kg	24	25	5.8	30%	Pass	
Lead	S24-Fe0026403	CP	mg/kg	17	17	<1	30%	Pass	
Mercury	S24-Fe0026403	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026403	CP	mg/kg	9.2	9.6	4.1	30%	Pass	
Zinc	S24-Fe0026403	CP	mg/kg	54	58	6.2	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026403	CP	%	15	15	2.1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026403	CP	mg/kg	1200	1200	3.2	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0026403	CP	ug/kg	< 10	< 10	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0026403	CP	ug/kg	< 10	< 10	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0026403	CP	ug/kg	< 10	< 10	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0026403	CP	ug/kg	< 5	< 5	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026406	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Fe0026413	CP	mg/kg	5.8	6.3	9.0	30%	Pass	
Cadmium	S24-Fe0026413	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Fe0026413	CP	mg/kg	18	20	7.9	30%	Pass	
Copper	S24-Fe0026413	CP	mg/kg	19	16	13	30%	Pass	
Lead	S24-Fe0026413	CP	mg/kg	20	21	7.3	30%	Pass	
Mercury	S24-Fe0026413	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Fe0026413	CP	mg/kg	7.5	7.3	3.5	30%	Pass	
Zinc	S24-Fe0026413	CP	mg/kg	34	35	1.5	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026413	CP	%	13	11	15	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Phosphorus	S24-Fe0026413	CP	mg/kg	590	580	1.9	30%	Pass	
Duplicate									
Synthetic Pyrethroids*				Result 1	Result 2	RPD			
Allethrin*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Cyfluthrin*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Cypermethrin (total)*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Fenvalerate*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Permethrin	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phenothrin*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Resmethrin*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Tetramethrin*	S24-Fe0026415	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Fe0026416	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Fe0026416	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Demeton-O	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Fe0026416	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Fe0026416	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Fe0026416	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Fe0026416	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Fe0026416	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026442	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0026445	CP	%	22	21	4.7	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Fe0026448	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Iron	S24-Fe0030406	NCP	mg/kg	38000	37000	2.6	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S24-Fe0026452	CP	uS/cm	190	190	1.2	30%	Pass	
Total Organic Carbon	S24-Fe0026452	CP	%	0.7	0.6	20	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	B24-Fe0020499	NCP	meq/100g	15	14	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	S24-Fe0026453	CP	uS/cm	240	240	1.7	30%	Pass	

Comments

Microbiological analysis performed by: Eurofins Food Testing, NATA accreditation number 20293, report reference: AR-24-NV-003093-01.

This report has been revised (V2) following repeat analysis. Nitrate, nitrite and phosphate results for sample 24-Fe0026451 have now been replaced by the repeat results.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	.3°C
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	Yes

Qualifier Codes/Comments

Code	Description
G01	The LORs have been raised due to matrix interference
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.
S05	Field Screen uses the following fizz rating to classify the rate the samples reacted to the peroxide: 1.0; No reaction to slight. 2.0; Moderate reaction. 3.0; Strong reaction with persistent froth. 4.0; Extreme reaction.

Authorised by:

Adam Bateup	Analytical Services Manager
Caitlin Breeze	Senior Analyst-Metal
Dilani Samarakoon	Senior Analyst-Inorganic
Edward Lee	Senior Analyst-Organic
Fang Yee Tan	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Joseph Edouard	Senior Analyst-Organic
Laxman Dias	Senior Analyst-Asbestos
Maria Tian	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Inorganic
Mary Makarios	Senior Analyst-Metal
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

Attention:	Steven Shaw
Report	1067428-AID-V2
Project Name	LEPPINGTON - ADJACENT LOTS
Project ID	30018043
Received Date	Feb 09, 2024
Date Reported	Feb 29, 2024

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name LEPPINGTON - ADJACENT LOTS
Project ID 30018043
Date Sampled Feb 05, 2024 to Feb 08, 2024
Report 1067428-AID-V2

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
STP10/0.1	24-Fe0026309	Feb 05, 2024	Approximate Sample 461g Sample consisted of: Brown coarse-grained clayey sandy soil, cement fragment and rocks	ACM: Chrysotile and crocidolite asbestos detected in fibre cement material. Approximate raw weight of ACM = 9.0g Total estimated asbestos content in ACM = 0.90g* Total estimated asbestos concentration in ACM = 0.20% w/w* Organic fibre detected. No trace asbestos detected.
STP45/0.5	24-Fe0026344	Feb 06, 2024	Approximate Sample 509g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP47/0.1	24-Fe0026357	Feb 06, 2024	Approximate Sample 645g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP12/0.1	24-Fe0026389	Feb 07, 2024	Approximate Sample 348g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP33/0.0-0.4-SOIL	24-Fe0026419	Feb 08, 2024	Approximate Sample 502g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP34/0.0-0.3-SOIL	24-Fe0026420	Feb 08, 2024	Approximate Sample 446g Sample consisted of: Brown fine-grained sandy soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
STP35/0.0-0.5-SOIL	24-Fe0026421	Feb 08, 2024	Approximate Sample 613g Sample consisted of: Brown fine-grained sandy soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP47/0.0-1.4-SOIL	24-Fe0026422	Feb 08, 2024	Approximate Sample 551g Sample consisted of: Brown fine-grained clayey sandy soil, organic debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP46/0.0-0.7-SOIL	24-Fe0026423	Feb 08, 2024	Approximate Sample 531g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP42/0.0-0.4-SOIL	24-Fe0026424	Feb 08, 2024	Approximate Sample 453g Sample consisted of: Brown coarse-grained clayey sandy soil, bitumen like material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP45/0.0-1.1-SOIL	24-Fe0026425	Feb 08, 2024	Approximate Sample 630g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP45/0.0-1.1-ACM	24-Fe0026426	Feb 08, 2024	Approximate Sample 5g / 30x25x4mm Sample consisted of: Brown fibre cement material	No asbestos detected. Organic fibre detected. No trace asbestos detected.
STP43/0.0-0.2-SOIL	24-Fe0026427	Feb 08, 2024	Approximate Sample 604g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
ACM-01	24-Fe0026428	Feb 07, 2024	Approximate Sample 80g / 140x60x4mm Sample consisted of: Grey compressed fibre cement sheet	Chrysotile, amosite and crocidolite asbestos detected.
ACM-02	24-Fe0026429	Feb 06, 2024	Approximate Sample 15g / 60x40x5mm Sample consisted of: Off-white fibre cement material	Chrysotile asbestos detected.

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Feb 12, 2024	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Feb 12, 2024	Indefinite

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North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
External Laboratory										X			X													
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																					
1	STP02/0.1	Feb 05, 2024		Soil	S24-Fe0026288	X						X				X		X	X							
2	STP02/0.4	Feb 05, 2024		Soil	S24-Fe0026289	X						X				X		X	X							
3	STP03/0.1	Feb 05, 2024		Soil	S24-Fe0026290	X						X				X		X	X							
4	STP05/0.1	Feb 05, 2024		Soil	S24-Fe0026291	X						X				X		X	X						X	
5	STP04/0.1	Feb 05, 2024		Soil	S24-Fe0026292	X						X				X		X	X							
6	STP04/0.5	Feb 05, 2024		Soil	S24-Fe0026293	X						X				X		X	X							
7	STP07/0.1	Feb 05, 2024		Soil	S24-Fe0026294	X						X		X		X		X	X							
8	STP07/0.5	Feb 05, 2024		Soil	S24-Fe0026295	X						X		X		X		X	X							
9	STP08/0.1	Feb 05, 2024		Soil	S24-Fe0026296	X						X		X		X		X	X							
10	STP08/0.4	Feb 05, 2024		Soil	S24-Fe0026297	X						X		X		X		X	X							
11	STP09/0.1	Feb 05, 2024		Soil	S24-Fe0026298	X						X				X		X	X							

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
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Received: Feb 9, 2024 6:07 PM
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Contact Name: Steven Shaw

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Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
12	STP09/0.3	Feb 05, 2024		Soil	S24-Fe0026299	X						X				X		X	X							
13	STP18/0.1	Feb 05, 2024		Soil	S24-Fe0026300	X						X				X		X	X							
14	STP27/0.1	Feb 05, 2024		Soil	S24-Fe0026301	X						X		X		X		X	X							
15	STP26/0.1	Feb 05, 2024		Soil	S24-Fe0026302	X						X		X		X		X	X							
16	STP26/0.5	Feb 05, 2024		Soil	S24-Fe0026303	X						X				X		X	X							
17	STP17/0.1	Feb 05, 2024		Soil	S24-Fe0026304	X						X				X		X	X							
18	STP17/0.6	Feb 05, 2024		Soil	S24-Fe0026305	X						X				X		X	X							
19	STP25/0.1	Feb 05, 2024		Soil	S24-Fe0026306											X		X	X		X					
20	STP25/0.3	Feb 05, 2024		Soil	S24-Fe0026307											X		X	X		X					
21	STP25/0.8	Feb 05, 2024		Soil	S24-Fe0026308											X		X	X		X					
22	STP10/0.1	Feb 05, 2024		Soil	S24-Fe0026309		X									X		X	X		X					
23	STP10/0.5	Feb 05, 2024		Soil	S24-Fe0026310											X		X	X		X					
24	STP10/0.9	Feb 05, 2024		Soil	S24-Fe0026311											X		X	X		X					
25	STP16/0.1	Feb 05, 2024		Soil	S24-Fe0026312											X		X	X		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
26	STP16/0.4	Feb 05, 2024		Soil	S24-Fe0026313											X		X	X		X					
27	STP15/0.1	Feb 05, 2024		Soil	S24-Fe0026314	X						X				X		X	X							
28	STP14/0.1	Feb 05, 2024		Soil	S24-Fe0026315											X		X	X		X					
29	STP14/0.3	Feb 05, 2024		Soil	S24-Fe0026316											X		X	X		X					
30	STP34/0.2	Feb 06, 2024		Soil	S24-Fe0026317											X		X	X		X					
31	STP34/0.5	Feb 06, 2024		Soil	S24-Fe0026318											X		X	X		X					
32	STP34/1.0	Feb 06, 2024		Soil	S24-Fe0026319											X		X	X		X					
33	STP33/0.1	Feb 06, 2024		Soil	S24-Fe0026320											X		X	X		X					
34	STP33/0.4	Feb 06, 2024		Soil	S24-Fe0026321											X		X	X		X					
35	STP35/0.1	Feb 06, 2024		Soil	S24-Fe0026322											X		X	X		X					
36	STP35/0.5	Feb 06, 2024		Soil	S24-Fe0026323											X		X	X		X					
37	STP36/0.1	Feb 06, 2024		Soil	S24-Fe0026324											X		X	X		X					
38	STP36/0.4	Feb 06, 2024		Soil	S24-Fe0026325											X		X	X		X					
39	SHA05/0.1	Feb 06, 2024		Soil	S24-Fe0026326	X						X				X		X	X						X	

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
40	SHA05/0.5	Feb 06, 2024		Soil	S24-Fe0026327	X						X				X		X	X							
41	STP38/0.1	Feb 06, 2024		Soil	S24-Fe0026328											X		X	X		X					
42	STP38/0.3	Feb 06, 2024		Soil	S24-Fe0026329											X		X	X		X					
43	STP38/0.7	Feb 06, 2024		Soil	S24-Fe0026330											X		X	X		X					
44	STP37/0.1	Feb 06, 2024		Soil	S24-Fe0026331											X		X	X		X					
45	STP37/0.3	Feb 06, 2024		Soil	S24-Fe0026332											X		X	X		X					
46	STP37/0.7	Feb 06, 2024		Soil	S24-Fe0026333											X		X	X		X					
47	STP39/0.1	Feb 06, 2024		Soil	S24-Fe0026334											X		X	X		X					
48	STP39/0.5	Feb 06, 2024		Soil	S24-Fe0026335											X		X	X		X					
49	SHA06/0.1	Feb 06, 2024		Soil	S24-Fe0026336											X		X	X		X					
50	SHA06/0.5	Feb 06, 2024		Soil	S24-Fe0026337											X		X	X		X					
51	STP40/0.2	Feb 06, 2024		Soil	S24-Fe0026338											X		X	X		X					
52	STP40/0.5	Feb 06, 2024		Soil	S24-Fe0026339											X		X	X		X					
53	STP40/0.8	Feb 06, 2024		Soil	S24-Fe0026340											X		X	X		X					

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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
54	STP42/0.1	Feb 06, 2024		Soil	S24-Fe0026341											X		X	X		X					
55	STP42/0.4	Feb 06, 2024		Soil	S24-Fe0026342											X		X	X		X					
56	STP45/0.1	Feb 06, 2024		Soil	S24-Fe0026343											X		X	X		X					
57	STP45/0.5	Feb 06, 2024		Soil	S24-Fe0026344		X									X		X	X		X					
58	STP45/1.5	Feb 06, 2024		Soil	S24-Fe0026345											X		X	X		X					
59	STP43/0.0	Feb 06, 2024		Soil	S24-Fe0026346											X		X	X		X					
60	STP43/0.1	Feb 06, 2024		Soil	S24-Fe0026347											X		X	X		X					
61	STP43/0.5	Feb 06, 2024		Soil	S24-Fe0026348											X		X	X		X					
62	SHA07/0.1	Feb 06, 2024		Soil	S24-Fe0026349											X		X	X		X					
63	SHA08/0.1	Feb 06, 2024		Soil	S24-Fe0026350										X	X		X	X		X					
64	SHA08/0.6	Feb 06, 2024		Soil	S24-Fe0026351										X	X		X	X		X					
65	SHA09/0.1	Feb 06, 2024		Soil	S24-Fe0026352											X		X	X		X					
66	SHA09/0.6	Feb 06, 2024		Soil	S24-Fe0026353											X		X	X		X					
67	SHA10/0.1	Feb 06, 2024		Soil	S24-Fe0026354											X		X	X		X					

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Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
68	STP46/0.1	Feb 06, 2024		Soil	S24-Fe0026355											X		X	X		X					
69	STP46/0.8	Feb 06, 2024		Soil	S24-Fe0026356											X		X	X		X					
70	STP47/0.1	Feb 06, 2024		Soil	S24-Fe0026357		X									X		X	X		X					
71	STP47/1.2	Feb 06, 2024		Soil	S24-Fe0026358											X		X	X		X					
72	STP47/1.7	Feb 06, 2024		Soil	S24-Fe0026359											X		X	X		X					
73	SHA48/0.2	Feb 06, 2024		Soil	S24-Fe0026360											X		X	X		X					
74	SHA48/0.6	Feb 06, 2024		Soil	S24-Fe0026361											X		X	X		X					
75	STP44/0.1	Feb 06, 2024		Soil	S24-Fe0026362	X						X				X		X	X							
76	STP44/0.5	Feb 06, 2024		Soil	S24-Fe0026363	X						X				X		X	X							
77	SHA11/0.1	Feb 06, 2024		Soil	S24-Fe0026364	X						X				X		X	X							
78	SHA12/0.1	Feb 06, 2024		Soil	S24-Fe0026365	X						X				X		X	X						X	
79	SHA12/0.5	Feb 06, 2024		Soil	S24-Fe0026366	X						X				X		X	X							
80	STP49/0.1	Feb 06, 2024		Soil	S24-Fe0026367	X						X				X		X	X							
81	STP49/0.5	Feb 06, 2024		Soil	S24-Fe0026368	X						X				X		X	X							

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Project ID: 30018043

Order No.:
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Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
82	STP01/0.1	Feb 07, 2024		Soil	S24-Fe0026369	X			X			X				X	X	X	X						X		
83	STP01/0.5	Feb 07, 2024		Soil	S24-Fe0026370	X			X			X				X	X	X	X								
84	STP06/0.1	Feb 07, 2024		Soil	S24-Fe0026371	X			X			X				X	X	X	X						X		
85	STP06/0.5	Feb 07, 2024		Soil	S24-Fe0026372	X			X			X				X	X	X	X								
86	STP19/0.1	Feb 07, 2024		Soil	S24-Fe0026373	X			X			X				X	X	X	X						X		
87	STP19/0.5	Feb 07, 2024		Soil	S24-Fe0026374	X			X			X				X	X	X	X								
88	STP24/0.1	Feb 07, 2024		Soil	S24-Fe0026375	X						X				X		X	X								
89	STP24/0.5	Feb 07, 2024		Soil	S24-Fe0026376	X						X				X		X	X								
90	STP23/0.1	Feb 07, 2024		Soil	S24-Fe0026377	X						X				X		X	X								
91	STP22/0.1	Feb 07, 2024		Soil	S24-Fe0026378											X		X	X		X						
92	STP22/0.5	Feb 07, 2024		Soil	S24-Fe0026379											X		X	X		X						
93	SHA01/0.1	Feb 07, 2024		Soil	S24-Fe0026380	X						X		X		X		X	X								
94	SHA02/0.1	Feb 07, 2024		Soil	S24-Fe0026381	X			X			X				X	X	X	X						X		
95	SHA02/0.5	Feb 07, 2024		Soil	S24-Fe0026382	X			X			X				X	X	X	X								

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Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
96	STP13/0.1	Feb 07, 2024		Soil	S24-Fe0026383					X			X			X		X	X		X				X	
97	STP13/0.5	Feb 07, 2024		Soil	S24-Fe0026384					X			X			X		X	X		X					
98	STP21/0.1	Feb 07, 2024		Soil	S24-Fe0026385											X		X	X		X					
99	STP21/0.7	Feb 07, 2024		Soil	S24-Fe0026386											X		X	X		X					
100	STP20/0.1	Feb 07, 2024		Soil	S24-Fe0026387											X		X	X		X					
101	STP20/0.7	Feb 07, 2024		Soil	S24-Fe0026388											X		X	X		X					
102	STP12/0.1	Feb 07, 2024		Soil	S24-Fe0026389		X									X		X	X		X					
103	STP12/0.5	Feb 07, 2024		Soil	S24-Fe0026390											X		X	X		X					
104	STP12/1.1	Feb 07, 2024		Soil	S24-Fe0026391											X		X	X		X					
105	STP11/0.1	Feb 07, 2024		Soil	S24-Fe0026392				X							X	X	X	X		X			X		
106	STP11/0.5	Feb 07, 2024		Soil	S24-Fe0026393				X								X		X							
107	STP11/1.1	Feb 07, 2024		Soil	S24-Fe0026394				X							X	X	X	X		X					
108	STP32/0.1	Feb 07, 2024		Soil	S24-Fe0026395				X							X	X	X	X		X			X		
109	STP32/0.5	Feb 07, 2024		Soil	S24-Fe0026396				X							X	X	X	X		X					

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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: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
110	STP32/0.8	Feb 07, 2024		Soil	S24-Fe0026397				X								X		X							
111	SSED01	Feb 07, 2024		Sediment	S24-Fe0026398				X								X	X	X		X			X	X	
112	SSED02	Feb 07, 2024		Sediment	S24-Fe0026399				X								X	X	X		X			X	X	
113	STP41/0.1	Feb 07, 2024		Soil	S24-Fe0026400											X		X	X		X					
114	SHA15/0.1	Feb 07, 2024		Soil	S24-Fe0026401	X			X			X				X	X	X	X					X		
115	SHA15/0.5	Feb 07, 2024		Soil	S24-Fe0026402	X			X			X				X	X	X	X							
116	SHA03/0.1	Feb 07, 2024		Soil	S24-Fe0026403	X			X			X				X	X	X	X					X		
117	SHA03/0.5	Feb 07, 2024		Soil	S24-Fe0026404	X			X			X				X	X	X	X							
118	SHA29/0.1	Feb 08, 2024		Soil	S24-Fe0026405	X						X				X		X	X							
119	SHA29/0.6	Feb 08, 2024		Soil	S24-Fe0026406	X						X				X		X	X							
120	SHA28/0.1	Feb 08, 2024		Soil	S24-Fe0026407	X						X				X		X	X							
121	SHA30/0.1	Feb 08, 2024		Soil	S24-Fe0026408	X						X				X		X	X							
122	SHA30/0.6	Feb 08, 2024		Soil	S24-Fe0026409	X						X				X		X	X							
123	SHA31/0.1	Feb 08, 2024		Soil	S24-Fe0026410	X						X				X		X	X							

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
124	SHA04/0.1	Feb 08, 2024		Soil	S24-Fe0026411	X						X				X		X	X							
125	SHA04/0.5	Feb 08, 2024		Soil	S24-Fe0026412	X						X				X		X	X							
126	SHA13/0.1	Feb 08, 2024		Soil	S24-Fe0026413	X						X				X		X	X							
127	SHA13/0.5	Feb 08, 2024		Soil	S24-Fe0026414	X						X				X		X	X							
128	SHA14/0.0	Feb 08, 2024		Soil	S24-Fe0026415	X						X			X	X		X	X							
129	SHA14/0.5	Feb 08, 2024		Soil	S24-Fe0026416	X						X			X	X		X	X							
130	SHA16/0.1	Feb 08, 2024		Soil	S24-Fe0026417										X	X		X	X		X					
131	SHA16/0.4	Feb 08, 2024		Soil	S24-Fe0026418										X	X		X	X		X					
132	STP33/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026419		X																			
133	STP34/0.0-0.3-SOIL	Feb 08, 2024		Soil	S24-Fe0026420		X																			
134	STP35/0.0-0.5-SOIL	Feb 08, 2024		Soil	S24-Fe0026421		X																			
135	STP47/0.0-	Feb 08, 2024		Soil	S24-Fe0026422		X																			

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
135	STP47/0.0-1.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026422																					
136	STP46/0.0-0.7-SOIL	Feb 08, 2024		Soil	S24-Fe0026423		X																			
137	STP42/0.0-0.4-SOIL	Feb 08, 2024		Soil	S24-Fe0026424		X																			
138	STP45/0.0-1.1-SOIL	Feb 08, 2024		Soil	S24-Fe0026425		X																			
139	STP45/0.0-1.1-ACM	Feb 08, 2024		Building Materials	S24-Fe0026426			X																		
140	STP43/0.0-0.2-SOIL	Feb 08, 2024		Soil	S24-Fe0026427		X																			
141	ACM-01	Feb 07, 2024		Building Materials	S24-Fe0026428			X																		
142	ACM-02	Feb 06, 2024		Building Materials	S24-Fe0026429			X																		

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Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
143	SSW01	Feb 08, 2024		Water	S24-Fe0026430													X			X		X	X		
144	SSW02	Feb 08, 2024		Water	S24-Fe0026431													X			X		X	X		
145	SOIL TRIP BLANK 1	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026432																	X				
146	SOIL TRIP BLANK 2	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026433																	X				
147	SOIL TRIP BLANK 3	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026434																	X				
148	SOIL TRIP BLANK 4	Jan 25, 2024		Trip Blank (solid)	S24-Fe0026435																	X				
149	SOIL TRIP SPIKE 1	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026436																					X
150	SOIL TRIP SPIKE 2	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026437																					X
151	SOIL TRIP SPIKE 3	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026438																					X

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Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
152	SOIL TRIP SPIKE 4	Jan 25, 2024		Trip Spike (solid)	S24-Fe0026439																					X
153	PFAS BLANK	Feb 07, 2024		Water	S24-Fe0026440																				X	
154	QA02	Feb 05, 2024		Soil	S24-Fe0026441	X						X				X		X	X							
155	QA03	Feb 06, 2024		Soil	S24-Fe0026442											X		X	X		X					
156	QA04	Feb 06, 2024		Soil	S24-Fe0026443											X		X	X		X					
157	QA05	Feb 06, 2024		Soil	S24-Fe0026444											X		X	X		X					
158	QA06	Feb 06, 2024		Soil	S24-Fe0026445	X						X				X		X	X							
159	QA07	Feb 07, 2024		Soil	S24-Fe0026446				X								X		X					X		
160	QA08	Feb 07, 2024		Soil	S24-Fe0026447				X							X	X	X	X					X		
161	QA09	Feb 08, 2024		Soil	S24-Fe0026448											X		X	X							
162	QA10	Feb 08, 2024		Water	S24-Fe0026449													X			X		X	X		
163	RINSATE01	Feb 06, 2024		Water	S24-Fe0026450											X		X			X		X			
164	RINSATE02	Feb 07, 2024		Water	S24-Fe0026451											X		X			X		X	X		

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IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1067428
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 9, 2024 6:07 PM
Due: Feb 16, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Arsenic	Asbestos - WA guidelines	Asbestos Absence /Presence	Conductivity (1:5 aqueous extract at 25 °C as rec.)	E.coli (MPN)	HOLD	Lead	Total Coliforms (MPN)	Zinc	Synthetic Pyrethroids*	Acid Herbicides	Acid Sulfate Soils Field pH Test	Eurofins Suite B15	Moisture Set	NEPM Screen for Soil Classification	Eurofins Suite B8	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	Eurofins Suite B19A: Total N (TKN, NOx), Total P	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
165	EIL-02	Feb 08, 2024		Soil	S24-Fe0026452														X	X						
166	EIL-04	Feb 08, 2024		Soil	S24-Fe0026453														X	X						
167	STP02/0.7	Feb 05, 2024		Soil	S24-Fe0026458						X															
168	STP03/0.3	Feb 05, 2024		Soil	S24-Fe0026459						X															
169	STP03/0.8	Feb 05, 2024		Soil	S24-Fe0026460						X															
170	STP05/0.4	Feb 05, 2024		Soil	S24-Fe0026461						X															
171	STP05/0.9	Feb 05, 2024		Soil	S24-Fe0026462						X															
172	STP04/0.8	Feb 05, 2024		Soil	S24-Fe0026463						X															
173	STP07/0.8	Feb 05, 2024		Soil	S24-Fe0026464						X															
174	STP08/1.0	Feb 05, 2024		Soil	S24-Fe0026465						X															
175	STP09/0.7	Feb 05, 2024		Soil	S24-Fe0026466						X															
176	STP18/0.6	Feb 05, 2024		Soil	S24-Fe0026467						X															
177	STP27/0.3	Feb 05, 2024		Soil	S24-Fe0026468						X															
178	STP27/0.8	Feb 05, 2024		Soil	S24-Fe0026469						X															

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
179	STP26/1.0	Feb 05, 2024		Soil	S24-Fe0026470						X															
180	STP17/0.9	Feb 05, 2024		Soil	S24-Fe0026471						X															
181	STP16/1.0	Feb 05, 2024		Soil	S24-Fe0026472						X															
182	STP15/0.4	Feb 05, 2024		Soil	S24-Fe0026473						X															
183	STP15/0.8	Feb 05, 2024		Soil	S24-Fe0026474						X															
184	STP14/0.8	Feb 05, 2024		Soil	S24-Fe0026475						X															
185	STP34/0.0	Feb 06, 2024		Soil	S24-Fe0026476						X															
186	STP33/0.7	Feb 06, 2024		Soil	S24-Fe0026477						X															
187	STP35/0.8	Feb 06, 2024		Soil	S24-Fe0026478						X															
188	STP36/0.9	Feb 06, 2024		Soil	S24-Fe0026479						X															
189	STP39/1.0	Feb 06, 2024		Soil	S24-Fe0026480						X															
190	STP42/0.7	Feb 06, 2024		Soil	S24-Fe0026481						X															
191	STP45/1.0	Feb 06, 2024		Soil	S24-Fe0026482						X															
192	STP43/0.8	Feb 06, 2024		Soil	S24-Fe0026483						X															

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
193	SHA07/0.6	Feb 06, 2024		Soil	S24-Fe0026484						X															
194	SHA10/0.5	Feb 06, 2024		Soil	S24-Fe0026485						X															
195	STP46/0.5	Feb 06, 2024		Soil	S24-Fe0026486						X															
196	STP47/0.6	Feb 06, 2024		Soil	S24-Fe0026487						X															
197	SHA11/0.5	Feb 06, 2024		Soil	S24-Fe0026488						X															
198	STP23/0.5	Feb 07, 2024		Soil	S24-Fe0026489						X															
199	SHA01/0.5	Feb 07, 2024		Soil	S24-Fe0026490						X															
200	STP41/0.6	Feb 07, 2024		Soil	S24-Fe0026491						X															
201	SHA28/0.6	Feb 08, 2024		Soil	S24-Fe0026492						X															
202	SHA31/0.6	Feb 08, 2024		Soil	S24-Fe0026493						X															
203	WATER TRIP BLANK 1	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026494																	X				
204	WATER TRIP BLANK 2	Jan 25, 2024		Trip Blank (liquid)	S24-Fe0026495																	X				

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Melbourne Laboratory - NATA # 1261 Site # 1254															X	X				X			X		X	
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X		X	X		X			X	X	X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794																				X						
205	WATER TRIP SPIKE 1	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026496																					X
206	WATER TRIP SPIKE 2	Jan 25, 2024		Trip Spike (liquid)	S24-Fe0026497																					X
207	QA01	Feb 05, 2024		Soil	S24-Fe0026498						X															
208	EIL-01	Feb 08, 2024		Soil	S24-Fe0026499						X															
209	EIL-03	Feb 08, 2024		Soil	S24-Fe0026500						X															
Test Counts						58	12	3	22	2	39	58	2	7	6	136	22	141	141	2	81	6	5	17	6	6

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**). This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to “non-bonded / friable”.
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory’s remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
Sampling	Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

Microbiological analysis performed by: Eurofins Food Testing, NATA accreditation number 20293, report reference: AR-24-NV-003093-01.

This report has been revised (V2) following repeat analysis. Nitrate, nitrite and phosphate results for sample 24-Fe0026451 have now been replaced by the repeat results.

24-Fe0026389, 24-Fe0026424, 24-Fe0026420: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	.3°C
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	Yes

Asbestos Counter/Identifier:

Sayeed Abu	Senior Analyst-Asbestos

Authorised by:

Laxman Dias	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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Rec: 13/2/24 1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Aus
CLIENT:	SINSW			LABORATORY QUOTE No.:	
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

Environmental Division Sydney
Work Order Reference
ES2404961

Telephone : + 61-2-8784 8555

LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHF and pHox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	SHA01/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X			X	X	X			X										PLEASE KEEP ASS BAG FROZEN
	SHA01/0.5	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4	X																				PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA02/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA02/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP13/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X	X							X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP13/0.5	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP21/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP21/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP20/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP20/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP12/0.1	07/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
	STP12/0.5	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP12/1.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP11/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X							X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP11/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP11/1.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/1.1-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X							X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.8	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.8-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SSED01	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X								PLEASE KEEP ASS BAG FROZEN
	SSED01-1	07/02/2024	Sediment	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SSED02	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X								PLEASE KEEP ASS BAG FROZEN
	SSED02-1	07/02/2024	Sediment	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP41/0.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP41/0.5	07/02/2024	Soil	250 ml Jar	1	X																				
	SHA15/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA15/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA15/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA15/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA03/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA03/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SHA29/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA29/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA30/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA30/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA31/0.1	08/02/2024	Soil	Zip Lock Bag	1			X			X		X			X										
	SHA31/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA04/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA04/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA14/0.9	08/02/2024	Soil	250 ml Jar	1				X			X		X			X		X							
	SHA14/0.5	08/02/2024	Soil	250 ml Jar	1				X			X		X			X		X							
	SHA16/0.1	08/02/2024	Soil	250 ml Jar	1		X	X								X			X							
	SHA16/0.4	08/02/2024	Soil	250 ml Jar	1		X	X								X			X							
	STP33/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP42/0.0-0.3-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP35/0.0-0.5-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP47/0.0-1.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												

Rec: [illegible]
13/2/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	-
DATE(S) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Vouklidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		

SPECIAL LABORATORY INSTRUCTIONS:

LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH# and pHox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	STP46/0.0-0.7-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP42/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP45/0.0-1.1-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP45/0.0-1.1-ACM	08/02/2024	Fragment	Zip Lock Bag	1									X												
	STP43/0.0-0.2-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	ACM-01	07/02/2024	Fragment	Zip Lock Bag	1					X																
	ACM-02	06/02/2024	Fragment	Zip Lock Bag	1					X																
	SSW01	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X											
	SSW02	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X											
	Soil Trip Blank 1	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 2	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 3	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 4	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 1	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 2	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 3	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 4	25/01/2024	Soil	1x Vial	1																			X		
	PFAS Blank	07/02/2024	Water	1x PFAS Bottle	1										X											
	Water Trip Blank 1	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Blank 2	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 1	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 2	25/01/2024	Water	1x Vial	1																			X		
13	QA01	05/02/2024	Soil	250 ml Jar	1	X																				
	QA01a	05/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
14	QA02	05/02/2024	Soil	250 ml Jar	1			X								X										
	QA02a	05/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
15	QA03	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA03a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
16	QA04	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA04a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
17	QA05	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA05a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
18	QA06	06/02/2024	Soil	250 ml Jar	1			X								X										
	QA06a	06/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
19	QA07	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X								PLEASE KEEP ASS BAG FROZEN
	QA07a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X							X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
20	QA08	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	QA08a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X						X	X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
21	QA09	08/02/2024	Soil	250 ml Jar	1			X								X										
	QA09a	08/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
22	QA10	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X											
	QA10a	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X										X	PLEASE FORWARD SAMPLE TO ALS
	Rinsate01	06/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X							X				X						
	Rinsate02	07/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X						X	X										
	EIL-01	08/02/2024	Soil	250 ml Jar	1	X																				
	EIL-02	08/02/2024	Soil	250 ml Jar	1														X							
	EIL-03	08/02/2024	Soil	250 ml Jar	1	X																				
	EIL-04	08/02/2024	Soil	250 ml Jar	1														X							
				TOTALS	349	50	85	147	14	2	54	9	54	15	20	141	26	24	2	7	2	2	11	12	30	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

Rec: ETW
13/2/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:		Eurofins	
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:		Adam Bateup	
PROJECT No:	30018043			ADDRESS & PHONE No.:		Eurofins Environment Testing Australia Pty Ltd	
CLIENT:	SINSW			LABORATORY QUOTE No.:		-	
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 158 256	TURNAROUND REQUIREMENTS:		Standard - 5 Day TAT	
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):			
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3)	4)	
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm				
EMAIL REPORTS TO (default to PM/TL):	Pauline.Youkhdis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween				
EMAIL INVOICE TO:	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024				

SPECIAL LABORATORY INSTRUCTIONS:

Elizabeth Brotherton
9/2 6:07pm
0.3°C

	SAMPLE DETAILS					ANALYSIS REQUIRED																					
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH and pHox)	(Conductivity (EC) (1:5 Aqueous Extract)	P21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
1	STP02/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
2	STP02/0.4	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
3	STP02/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
4	STP03/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
5	STP03/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
6	STP03/0.6	05/02/2024	Soil	250 ml Jar	1	X																				
7	STP05/0.1	05/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
8	STP05/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
9	STP05/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
10	STP04/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
11	STP04/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
12	STP04/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
13	STP07/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
14	STP07/0.5	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
15	STP07/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
16	STP08/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
17	STP08/0.4	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
18	STP08/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
19	STP09/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
20	STP09/0.3	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
21	STP09/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
22	STP15/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
23	STP15/0.6	05/02/2024	Soil	250 ml Jar	1	X																				
24	STP27/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
25	STP27/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
26	STP27/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
27	STP26/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
28	STP26/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
29	STP26/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
30	STP17/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
31	STP17/0.6	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
32	STP17/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
33	STP25/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
34	STP25/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
35	STP25/0.8	05/02/2024	Soil	250 ml Jar	1		X	X								X										
36	STP10/0.1	05/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
37	STP10/0.5	05/02/2024	Soil	250 ml Jar	1		X	X								X										
38	STP10/0.9	05/02/2024	Soil	250 ml Jar	1		X	X								X										
39	STP16/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
40	STP16/0.4	05/02/2024	Soil	250 ml Jar	1		X	X								X										
41	STP16/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
42	STP15/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
43	STP15/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
44	STP15/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
45	STP14/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
46	STP14/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
47	STP14/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
48	STP34/0.0	06/02/2024	Soil	250 ml Jar	1	X																				
49	STP34/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
50	STP34/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
51	STP34/1.0	06/02/2024	Soil	250 ml Jar	1		X	X								X										
52	STP33/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
53	STP33/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
54	STP33/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
55	STP35/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
56	STP35/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
57	STP35/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
58	STP36/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
59	STP36/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
60	STP36/0.9	06/02/2024	Soil	250 ml Jar	1	X																				
61	SHA05/0.1	05/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
62	SHA05/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
63	STP38/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
64	STP38/0.3	06/02/2024	Soil	250 ml Jar	1		X	X								X										
65	STP38/0.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										

Rec: KMH
13/2/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

Leppington - Adjacent Lots		LABORATORY:	Eurofins
Rickard Road, Leppington		CONTACT PERSON:	Adam Bateup
30018043		ADDRESS & PHONE No.	Eurofins Environment Testing Australia Pty Ltd
SINSW		LABORATORY QUOTE No.:	-
ER: Steve Shaw PV, JP	CONTACT PH: 0422 156 256 CONTACT PH: 0432 982 682	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
D: 05/02/2024 - 08/02/2024	RELINQUISHED BY: 1) Jordan Petraccaro	DESPATCH COURIER (consignment reference):	
I SITE: 08/02/2024 - 4:00pm	DATE/TIME: 08/02/2024 - 5:00pm	2)	3) 4)
TO Pauline.Voutkidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY: Eurofins Girrawheen		
O Steven.Shaw@smec.com	DATE/TIME: 2/9/2024		
TORY INSTRUCTIONS:			

SAMPLE DETAILS					ANALYSIS REQUIRED																					
SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH and pHox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	E.P234F (6.8 suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
STP37/0.3	05/02/2024	Soil	350 ml Jar	1		X	X								X										
STP37/0.7	05/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.5	05/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
SHA06/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA06/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.2	05/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.8	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.4	06/02/2024	Soil	350 ml Jar	1		X	X								X										
STP42/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP45/0.5	06/02/2024	Soil	350 ml Jar, Zip Lock Bag	2		X	X						X		X										
SPT45/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/1.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.0	05/02/2024	Soil	350 ml Jar	1		X	X								X										
STP43/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
SHA07/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA07/0.6	06/02/2024	Soil	250 ml Jar	1	X																				
SHA08/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA08/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA09/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA09/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
STP46/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP46/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
STP46/0.8	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP47/0.1	06/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
STP47/0.6	06/02/2024	Soil	250 ml Jar	1	X																				
STP47/1.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP47/1.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.6	06/02/2024	Soil	350 ml Jar	1		X	X								X										
STP44/0.1	06/02/2024	Soil	350 ml Jar	1			X			X		X			X										
STP44/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
SHA11/0.1	06/02/2024	Soil	350 ml Jar	1			X			X		X			X										
SHA11/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
SHA12/0.1	06/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
SHA12/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP01/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
STP01/0.1-1	07/02/2024	Soil	250 ml Jar	1																					
STP01/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP01/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP08/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP08/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP08/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP08/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP19/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP19/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP24/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X									X	PLEASE FORWARD SAMPLE TO ALS
STP24/0.5	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.5	07/02/2024	Soil	250 ml Jar	1	X																				
STP22/0.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
STP22/0.5	07/02/2024	Soil	250 ml Jar	1																					

Rec: ZAW
13/2/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Au
CLIENT:	SINSW			LABORATORY QUOTE No.:	
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TA
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voulkidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

Environmental Division
Sydney
Work Order Reference
ES2404961

Telephone : +61-2-8784 8555

SAMPLE DETAILS					ANALYSIS REQUIRED																					
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B4 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHF and pHFox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	SHA01/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X			X	X	X			X										PLEASE KEEP ASS BAG FROZEN
	SHA01/0.5	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4	X																				PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA02/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA02/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA02/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP13/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X	X							X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP13/0.5	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X					X	X				PLEASE KEEP ASS BAG FROZEN
	STP21/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP21/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP29/0.1	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP29/0.7	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4		X	X								X										PLEASE KEEP ASS BAG FROZEN
	STP12/0.1	07/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
	STP12/0.5	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP12/1.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP11/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X							X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP11/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP11/1.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP11/1.1-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X							X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X								X	X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	STP32/0.8	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3												X	X								PLEASE KEEP ASS BAG FROZEN
	STP32/0.8-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SSED01	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X								PLEASE KEEP ASS BAG FROZEN
	SSED01-1	07/02/2024	Sediment	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SSED02	07/02/2024	Sediment	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3		X	X	X						X		X	X								PLEASE KEEP ASS BAG FROZEN
	SSED02-1	07/02/2024	Sediment	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	STP41/0.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
	STP41/0.6	07/02/2024	Soil	250 ml Jar	1	X																				
	SHA15/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA15/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA15/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA15/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA03/0.1-1	07/02/2024	Soil	250 ml Jar	1																		X		X	PLEASE FORWARD SAMPLE TO ALS
	SHA03/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X								PLEASE KEEP ASS BAG FROZEN
	SHA03/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	SHA29/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA29/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA28/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA30/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA30/0.6	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA31/0.1	08/02/2024	Soil	Zip Lock Bag	1			X			X		X			X										
	SHA31/0.6	08/02/2024	Soil	250 ml Jar	1	X																				
	SHA04/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA04/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.1	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA13/0.5	08/02/2024	Soil	250 ml Jar	1			X			X		X			X										
	SHA14/0.0	08/02/2024	Soil	250 ml Jar	1				X			X		X			X		X							
	SHA14/0.5	08/02/2024	Soil	250 ml Jar	1				X			X		X			X		X							
	SHA18/0.1	08/02/2024	Soil	250 ml Jar	1		X	X								X			X							
	SHA18/0.4	08/02/2024	Soil	250 ml Jar	1		X	X								X			X							
	STP33/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP42/0.0-0.3-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP35/0.0-0.5-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP47/0.0-1.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												

Rec: [illegible]
13/2/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	-
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		

SPECIAL LABORATORY INSTRUCTIONS:

LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B6 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH and pHox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	STP46/0.0-0.7-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP42/0.0-0.4-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP45/0.0-1.1-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	STP45/0.0-1.1-ACM	08/02/2024	Fragment	Zip Lock Bag	1									X												
	STP43/0.0-0.2-SOIL	08/02/2024	Soil	500 ml Zip Lock Bag	1									X												
	ACM-01	07/02/2024	Fragment	Zip Lock Bag	1					X																
	ACM-02	06/02/2024	Fragment	Zip Lock Bag	1					X																
	SSW01	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X											
	SSW02	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X											
	Soil Trip Blank 1	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 2	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 3	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Blank 4	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 1	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 2	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 3	25/01/2024	Soil	1x Vial	1																			X		
	Soil Trip Spike 4	25/01/2024	Soil	1x Vial	1																			X		
	PFAS Blank	07/02/2024	Water	1x PFAS Bottle	1										X											
	Water Trip Blank 1	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Blank 2	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 1	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 2	25/01/2024	Water	1x Vial	1																			X		
13	QA01	05/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
	QA01a	05/02/2024	Soil	250 ml Jar	1	X																			X	PLEASE FORWARD SAMPLE TO ALS
14	QA02	05/02/2024	Soil	250 ml Jar	1			X								X										
	QA02a	05/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
15	QA03	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA03a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
16	QA04	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA04a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
17	QA05	06/02/2024	Soil	250 ml Jar	1		X	X								X										
	QA05a	06/02/2024	Soil	250 ml Jar	1		X	X								X									X	PLEASE FORWARD SAMPLE TO ALS
18	QA06	06/02/2024	Soil	250 ml Jar	1			X								X										
	QA06a	06/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
19	QA07	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X							PLEASE KEEP ASS BAG FROZEN
	QA07a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4										X		X	X							X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
20	QA08	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X							PLEASE KEEP ASS BAG FROZEN
	QA08a	07/02/2024	Soil	2x 250 ml Jar, 1x PFAS Jar, 1x ASS Bag	4			X							X	X	X	X						X	X	PLEASE FORWARD SAMPLE TO ALS, KEEP ASS BAG FROZEN
	QA09	08/02/2024	Soil	250 ml Jar	1			X								X										
21	QA09a	08/02/2024	Soil	250 ml Jar	1			X								X									X	PLEASE FORWARD SAMPLE TO ALS
	QA10	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals,	6		X	X	X						X											
22	QA10a	08/02/2024	Water	1x PFAS, 2x Vials, 1x Amber, 1x Metals, 1x Nutrients	6		X	X	X						X										X	PLEASE FORWARD SAMPLE TO ALS
	Rinsate01	06/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X							X				X						
	Rinsate02	07/02/2024	Water	2x Amber, 2x Vials, 1x Metals, 1x	6		X	X	X						X	X										
	EIL-01	06/02/2024	Soil	250 ml Jar	1	X													X							
	EIL-02	06/02/2024	Soil	250 ml Jar	1														X							
	EIL-03	06/02/2024	Soil	250 ml Jar	1	X													X							
	EIL-04	06/02/2024	Soil	250 ml Jar	1														X							
				TOTALS	349	50	85	147	14	2	54	9	54	15	20	141	26	24	2	7	2	2	11	12	30	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

Rec: Elizabeth Brotherton
13/12/24
1415

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Stevie Shaw	CONTACT PH:	0422 168 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 582 682	DESPATCH COURIER (consignment reference):	-
DATE(s) SAMPLED:	05/02/2024 - 06/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	06/02/2024 - 4:00pm	DATE/TIME:	06/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Paulina.Vouklidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO:	Steven.Shaw@smec.com	DATE/TIME:	2/9/2024		

SPECIAL LABORATORY INSTRUCTIONS:

Elizabeth Brotherton
9/2 6:07pm
0.3°C

LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B6 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
1	STP02/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
2	STP02/0.4	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
3	STP02/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
4	STP03/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
5	STP03/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
6	STP03/0.6	05/02/2024	Soil	250 ml Jar	1	X																				
7	STP05/0.1	05/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
8	STP05/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
9	STP05/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
10	STP04/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
11	STP04/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
12	STP04/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
13	STP07/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
14	STP07/0.5	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
15	STP07/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
16	STP08/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
17	STP08/0.4	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
18	STP08/1.6	05/02/2024	Soil	250 ml Jar	1	X																				
19	STP09/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
20	STP09/0.3	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
21	STP09/0.7	05/02/2024	Soil	250 ml Jar	1	X																				
22	STP18/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
23	STP18/0.5	05/02/2024	Soil	250 ml Jar	1	X																				
24	STP27/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
25	STP27/0.3	05/02/2024	Soil	250 ml Jar	1	X																				
26	STP27/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
27	STP26/0.1	05/02/2024	Soil	250 ml Jar	1			X			X	X	X			X										
28	STP26/0.5	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
29	STP26/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
30	STP17/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
31	STP17/0.6	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
32	STP17/0.9	05/02/2024	Soil	250 ml Jar	1	X																				
33	STP25/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
34	STP25/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
35	STP25/0.8	05/02/2024	Soil	250 ml Jar	1		X	X								X										
36	STP18/0.1	05/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
37	STP18/0.5	05/02/2024	Soil	250 ml Jar	1		X	X								X										
38	STP18/0.9	05/02/2024	Soil	250 ml Jar	1		X	X								X										
39	STP16/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
40	STP16/0.4	05/02/2024	Soil	250 ml Jar	1		X	X								X										
41	STP16/1.0	05/02/2024	Soil	250 ml Jar	1	X																				
42	STP15/0.1	05/02/2024	Soil	250 ml Jar	1			X			X		X			X										
43	STP15/0.4	05/02/2024	Soil	250 ml Jar	1	X																				
44	STP15/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
45	STP14/0.1	05/02/2024	Soil	250 ml Jar	1		X	X								X										
46	STP14/0.3	05/02/2024	Soil	250 ml Jar	1		X	X								X										
47	STP14/0.8	05/02/2024	Soil	250 ml Jar	1	X																				
48	STP34/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
49	STP34/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
50	STP34/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
51	STP34/1.0	06/02/2024	Soil	250 ml Jar	1		X	X								X										
52	STP33/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
53	STP33/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
54	STP33/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
55	STP35/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
56	STP35/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
57	STP35/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
58	STP36/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
59	STP36/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
60	STP36/0.9	06/02/2024	Soil	250 ml Jar	1	X																				
61	SHA05/0.1	06/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
62	SHA05/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
63	STP38/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
64	STP38/0.3	06/02/2024	Soil	250 ml Jar	1		X	X								X										
65	STP38/0.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										

Rec: EMM
13/2/24
1415

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

Leppington - Adjacent Lots		LABORATORY:	Eurofins
Rickard Road, Leppington		CONTACT PERSON:	Adam Bateup
30018043		ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
SINSW		LABORATORY QUOTE No.:	-
ER: Steve Shaw	CONTACT PH: 0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
PV, JP	CONTACT PH: 0432 982 682	DESPATCH COURIER (consignment reference):	-
D: 05/02/2024 - 06/02/2024	RELINQUISHED BY: 1) Jordan Petraccaro	2)	3) 4)
I SITE: 06/02/2024 - 4:00pm	DATE/TIME: 06/02/2024 - 5:00pm		
TO Pauline.Vouklidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY: Eurofins Girraween		
O Steven.Shaw@smec.com	DATE/TIME: 2/9/2024		
TORY INSTRUCTIONS:			

SAMPLE DETAILS					ANALYSIS REQUIRED																				
SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH# and pHox)	Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
STP37/0.3	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP37/0.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP39/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
SHA56/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA06/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP40/0.8	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP42/0.4	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.7	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP45/0.5	06/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
SPT45/1.0	06/02/2024	Soil	250 ml Jar	1	X																				
STP45/1.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.0	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP43/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
SHA57/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA57/0.6	06/02/2024	Soil	250 ml Jar	1	X																				
SHA05/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA05/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA09/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X				X						
SHA09/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA10/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP46/0.1	06/02/2024	Soil	250 ml Jar	1	X																				
STP46/0.5	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP46/0.8	06/02/2024	Soil	250 ml Jar	1	X																				
STP47/0.1	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP47/0.6	06/02/2024	Soil	250 ml Jar, Zip Lock Bag	2		X	X						X		X										
STP47/1.2	06/02/2024	Soil	250 ml Jar	1	X																				
STP47/1.7	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.2	06/02/2024	Soil	250 ml Jar	1		X	X								X										
SHA48/0.6	06/02/2024	Soil	250 ml Jar	1		X	X								X										
STP44/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP44/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
SHA11/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
SHA11/0.5	06/02/2024	Soil	250 ml Jar	1	X																				
SHA12/0.1	06/02/2024	Soil	250 ml Jar	1			X	X		X		X			X										
SHA12/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.1	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP49/0.5	06/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP01/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X								PLEASE KEEP ASS BAG FROZEN
STP01/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP01/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP01/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP06/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP06/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP06/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP06/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP19/0.1	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X		X	X	X	X							X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.1-1	07/02/2024	Soil	250 ml Jar	1																					PLEASE KEEP ASS BAG FROZEN
STP19/0.5	07/02/2024	Soil	250 ml Jar, 1x PFAS Jar, 1x ASS Bag	3			X			X		X			X	X	X					X		X	PLEASE FORWARD SAMPLE TO ALS
STP19/0.5-1	07/02/2024	Soil	250 ml Jar	1	X																				PLEASE KEEP ASS BAG FROZEN
STP24/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X									X	PLEASE FORWARD SAMPLE TO ALS
STP24/0.5	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.1	07/02/2024	Soil	250 ml Jar	1			X			X		X			X										
STP23/0.5	07/02/2024	Soil	250 ml Jar	1	X																				
STP22/0.1	07/02/2024	Soil	250 ml Jar	1		X	X								X										
STP22/0.5	07/02/2024	Soil	250 ml Jar	1																					

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2404961**		
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: pauline.voukidis@smec.com	E-mail	: katie.davis@alsglobal.com
Telephone	: ----	Telephone	: +61-2-8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: 30018043 LEPPINGTON- Adjacent Lots	Page	: 1 of 4
Order number	: ----	Quote number	: EP2023SMEAUS0001 (EN-111)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Rickard Road, Leppington		
Sampler	: JP, PV		

Dates

Date Samples Received	: 13-Feb-2024 14:15	Issue Date	: 16-Feb-2024
Client Requested Due Date	: 27-Feb-2024	Scheduled Reporting Date	: **27-Feb-2024**

Delivery Details

Mode of Delivery	: Carrier	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 18.2'C, 19.1'C, 18.5'C - Ice Bricks present
Receipt Detail	:	No. of samples received / analysed	: 30 / 19

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **EA037 analysis will be conducted by ALS Brisbane**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	(On Hold) SOIL No analysis requested	SOIL - EA055-103 Moisture Content	SOIL - EP202(solids) Phenoxyacetic acids	SOIL - EP234 Pesticide by LCMSMS (Positive Ion Mode)	SOIL - S-02 8 Metals (incl. Digestion)	SOIL - S-10 TRH/VOC/PAH	SOIL - S-13 OC/OP/PCB
ES2404961-001	07-Feb-2024 00:00	SHA02/0.1-1		✓		✓			
ES2404961-002	07-Feb-2024 00:00	SHA02/0.5-1	✓						
ES2404961-003	07-Feb-2024 00:00	STP11/0.1-1		✓		✓			
ES2404961-004	07-Feb-2024 00:00	STP32/0.1-1		✓		✓			
ES2404961-005	07-Feb-2024 00:00	STP32/0.5-1	✓						
ES2404961-006	07-Feb-2024 00:00	STP32/0.8-1	✓						
ES2404961-007	07-Feb-2024 00:00	SSED01-1		✓		✓			
ES2404961-008	07-Feb-2024 00:00	SSED02-1		✓		✓			
ES2404961-009	07-Feb-2024 00:00	SHA15/0.1-1		✓		✓			
ES2404961-010	07-Feb-2024 00:00	SHA15/0.5-1	✓						
ES2404961-011	07-Feb-2024 00:00	SHA03/0.1-1		✓		✓			
ES2404961-012	07-Feb-2024 00:00	SHA03/0.5-1	✓						
ES2404961-013	05-Feb-2024 00:00	QA01a	✓						
ES2404961-014	05-Feb-2024 00:00	QA02a		✓	✓				✓
ES2404961-015	06-Feb-2024 00:00	QA03a		✓	✓		✓	✓	✓
ES2404961-016	06-Feb-2024 00:00	QA04a		✓	✓		✓	✓	✓
ES2404961-017	06-Feb-2024 00:00	QA05a		✓	✓		✓	✓	✓
ES2404961-018	06-Feb-2024 00:00	QA06a		✓	✓				✓
ES2404961-019	07-Feb-2024 00:00	QA07a		✓					
ES2404961-020	07-Feb-2024 00:00	QA08a		✓	✓	✓			✓
ES2404961-021	08-Feb-2024 00:00	QA09a		✓	✓				✓
ES2404961-023	07-Feb-2024 00:00	STP01/0.1-1		✓		✓			
ES2404961-024	07-Feb-2024 00:00	STP01/0.5-1	✓						
ES2404961-025	07-Feb-2024 00:00	STP06/0.1-1		✓		✓			
ES2404961-026	07-Feb-2024 00:00	STP06/0.5-1	✓						
ES2404961-027	07-Feb-2024 00:00	STP19/0.1-1		✓		✓			
ES2404961-028	07-Feb-2024 00:00	STP19/0.5-1	✓						
ES2404961-029	07-Feb-2024 00:00	STP11/0.5-1	✓						
ES2404961-030	07-Feb-2024 00:00	STP11/1.1-1	✓						

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA010 (solids): Electrical Conductivity (1:5)	SOIL - EA037 ASS Field Screening Analysis	SOIL - EP231X (solids) PFAS - Full Suite (28 analytes)
ES2404961-019	07-Feb-2024 00:00	QA07a	✓	✓	✓
ES2404961-020	07-Feb-2024 00:00	QA08a	✓	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (28 analytes)	WATER - W-02T 8 metals (Total)	WATER - W-10 TRH/BTEX/VOC/PAH	WATER - W-13 OC/OP/PCB
ES2404961-022	08-Feb-2024 00:00	QA10a	✓	✓	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - NT-11 Total Nitrogen and Total Phosphorus
ES2404961-022	08-Feb-2024 00:00	QA10a	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS INVOICES		
- A4 - AU Tax Invoice (INV)	Email	accounts.payable@smec.com
JORDAN PETRACCARO		
- *AU Certificate of Analysis - NATA (COA)	Email	jordan.petraccaro@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jordan.petraccaro@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jordan.petraccaro@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jordan.petraccaro@smec.com
- Chain of Custody (CoC) (COC)	Email	jordan.petraccaro@smec.com
- EDI Format - ENMRG (ENMRG)	Email	jordan.petraccaro@smec.com
- EDI Format - ESDAT (ESDAT)	Email	jordan.petraccaro@smec.com
Pauline Voukidis		
- *AU Certificate of Analysis - NATA (COA)	Email	pauline.voukidis@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	pauline.voukidis@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	pauline.voukidis@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	pauline.voukidis@smec.com
- Chain of Custody (CoC) (COC)	Email	pauline.voukidis@smec.com
- EDI Format - ENMRG (ENMRG)	Email	pauline.voukidis@smec.com
- EDI Format - ESDAT (ESDAT)	Email	pauline.voukidis@smec.com
STEVEN SHAW		
- *AU Certificate of Analysis - NATA (COA)	Email	steven.shaw@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	steven.shaw@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	steven.shaw@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	steven.shaw@smec.com
- A4 - AU Tax Invoice (INV)	Email	steven.shaw@smec.com
- Chain of Custody (CoC) (COC)	Email	steven.shaw@smec.com
- EDI Format - ENMRG (ENMRG)	Email	steven.shaw@smec.com
- EDI Format - ESDAT (ESDAT)	Email	steven.shaw@smec.com

Inter-Laboratory Testing

Analysis conducted by ALS Brisbane, NATA accreditation no. 825, site no. 818 (Chemistry) 18958 (Biology).

(SOIL) EA037: Ass Field Screening Analysis

QUALITY CONTROL REPORT

Work Order	: **ES2404961**	Page	: 1 of 40
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 13-Feb-2024
Order number	: 30018043	Date Analysis Commenced	: 16-Feb-2024
C-O-C number	: ----	Issue Date	: 28-Feb-2024
Sampler	: JP, PV		
Site	: Rickard Road, Leppington		
Quote number	: EN-111		
No. of samples received	: 30		
No. of samples analysed	: 19		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Ben Felgendrejeris	Senior Acid Sulfate Soil Chemist	Brisbane Acid Sulphate Soils, Stafford, QLD
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

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

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 5605887)									
ES2404597-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	22	21	5.4	0% - 50%
		EG005T: Nickel	7440-02-0	2	mg/kg	13	12	9.2	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	19	19	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	5	<5	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	59	49	17.6	0% - 50%
ES2404966-003	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	17	12	30.7	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	4	2	51.3	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	34	26	25.8	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	244	257	5.2	0% - 20%
		EG005T: Zinc	7440-66-6	5	mg/kg	106	106	0.0	0% - 20%
EA010: Conductivity (1:5) (QC Lot: 5605918)									
ES2404874-005	Anonymous	EA010: Electrical Conductivity @ 25°C	----	1	µS/cm	229	226	1.2	0% - 20%
EA037: Ass Field Screening Analysis (QC Lot: 5621318)									
EB2405570-001	Anonymous	EA037: pH (F)	----	0.1	pH Unit	5.8	5.7	0.0	0% - 20%
		EA037: pH (Fox)	----	0.1	pH Unit	4.2	4.2	0.0	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5605891)									

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5605891) - continued									
ES2404830-001	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	7.4	6.5	13.2	No Limit
ES2404894-001	Anonymous	EA055: Moisture Content	----	0.1	%	18.9	17.0	10.5	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5605892)									
ES2404966-001	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	5.0	5.1	0.0	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5614464)									
ES2404961-004	STP32/0.1-1	EA055: Moisture Content	----	0.1	%	7.3	6.8	6.7	0% - 20%
ES2404961-027	STP19/0.1-1	EA055: Moisture Content	----	0.1	%	12.5	12.6	0.0	0% - 20%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 5605888)									
ES2404597-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
ES2404966-003	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	0.4	0.3	0.0	No Limit
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 5606308)									
ES2404961-015	QA03a	EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 5606309)									
ES2404961-015	QA03a	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 5606309)									
ES2404961-015	QA03a	EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 5606309) - continued									
ES2404961-015	QA03a	EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	<5	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074D: Fumigants (QC Lot: 5606983) - continued									
ES2404961-015	QA03a	EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloromethane	74-87-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Bromomethane	74-83-9	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloroethane	75-00-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	<5	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074F: Halogenated Aromatic Compounds (QC Lot: 5606983) - continued									
ES2404961-015	QA03a	EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 5606983)									
ES2404961-015	QA03a	EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 5606311)									
ES2404961-015	QA03a	EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5606310)									
ES2404961-015	QA03a	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5606982)									
ES2404961-015	QA03a	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5606310)									
ES2404961-015	QA03a	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5606982)									
ES2404961-015	QA03a	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 5606982)									
ES2404961-015	QA03a	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QC Lot: 5610601)									
EM2402107-052	Anonymous	EP202: 4-Chlorophenoxy acetic acid	122-88-3	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-DB	94-82-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Dicamba	1918-00-9	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Mecoprop	93-65-2	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: MCPA	94-74-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-DP	120-36-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-D	94-75-7	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Triclopyr	55335-06-3	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4.5-TP (Silvex)	93-72-1	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4.5-T	93-76-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: MCPB	94-81-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Picloram	1918-02-1	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Clopyralid	1702-17-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Fluroxypyr	69377-81-7	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
ES2404961-016	QA04a	EP202: 4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: 2.4-DB	94-82-6	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Dicamba	1918-00-9	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Mecoprop	93-65-2	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: MCPA	94-74-6	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: 2.4-DP	120-36-5	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: 2.4-D	94-75-7	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Triclopyr	55335-06-3	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: 2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QC Lot: 5610601) - continued									
ES2404961-016	QA04a	EP202: 2.4.5-T	93-76-5	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: MCPB	94-81-5	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Picloram	1918-02-1	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Clopyralid	1702-17-6	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP202: Fluroxypyr	69377-81-7	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5613949)									
ES2404961-019	QA07a	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2405068-015	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0024	0.0029	20.2	0% - 50%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5613949)									
ES2404961-019	QA07a	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2405068-015	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5613949) - continued									
ES2405068-015	Anonymous	EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5613949)									
ES2404961-019	QA07a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2405068-015	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5613949)									
ES2404961-019	QA07a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5613949) - continued									
ES2405068-015	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP234A: OP Pesticides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Sulfotep	3689-24-5	0.001 (0.002) *	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Triazophos	24017-47-8	0.001 (0.002) *	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Coumaphos	56-72-4	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Diazinon	333-41-5	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Ethoprophos	13194-48-4	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Fenamiphos	22224-92-6	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Omethoate	1113-02-6	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Pirimiphos-methyl	29232-93-7	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Tetrachlorvinphos	22248-79-9	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Dimethoate	60-51-5	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Azinphos-ethyl	2642-71-9	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Azinphos-methyl	86-50-0	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Chlorfenvinphos	470-90-6	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Fensulfothion	115-90-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Malathion	121-75-5	0.005 (0.064) *	mg/kg	0.405	0.449	10.2	No Limit
		EP234: Mevinphos	7786-34-7	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP234A: OP Pesticides (QC Lot: 5605898) - continued									
ES2404936-007	Anonymous	EP234: Monocrotophos	6923-22-4	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Disulfoton	298-04-4	0.01 (0.02)*	mg/kg	<0.02	<0.02	0.0	No Limit
		EP234: Fenthion	55-38-9	0.01 (0.016)*	mg/kg	<0.016	<0.016	0.0	No Limit
		EP234: Phorate	298-02-2	0.02 (0.03)*	mg/kg	<0.03	<0.03	0.0	No Limit
		EP234: Parathion	56-38-2	0.05 (0.06)*	mg/kg	<0.06	<0.06	0.0	No Limit
		EP234: Fenitrothion	122-14-5	0.5 (0.6)*	mg/kg	<0.6	<0.6	0.0	No Limit
		EP234: Parathion-methyl	298-00-0	0.5 (0.6)*	mg/kg	<0.6	<0.6	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Sulfotep	3689-24-5	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
		EP234: Triazophos	24017-47-8	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
		EP234: Coumaphos	56-72-4	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Diazinon	333-41-5	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Ethoprophos	13194-48-4	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Fenamiphos	22224-92-6	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Omethoate	1113-02-6	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Pirimiphos-methyl	29232-93-7	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Tetrachlorvinphos	22248-79-9	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Dimethoate	60-51-5	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
		EP234: Azinphos-ethyl	2642-71-9	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Azinphos-methyl	86-50-0	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Chlorfenvinphos	470-90-6	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Fensulfothion	115-90-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Malathion	121-75-5	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Mevinphos	7786-34-7	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Monocrotophos	6923-22-4	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Disulfoton	298-04-4	0.01	mg/kg	<0.01	<0.01	0.0	No Limit
		EP234: Fenthion	55-38-9	0.01	mg/kg	<0.010	<0.010	0.0	No Limit
		EP234: Phorate	298-02-2	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP234: Parathion	56-38-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP234: Fenitrothion	122-14-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP234: Parathion-methyl	298-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP234B: Thiocarbamates and Carbamates (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Carbaryl	63-25-2	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Carbofuran	1563-66-2	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Methiocarb	2032-65-7	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP234B: Thiocarbamates and Carbamates (QC Lot: 5605898) - continued									
ES2404936-007	Anonymous	EP234: Methomyl	16752-77-5	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Oxamyl	23135-22-0	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Thiobencarb	28249-77-6	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Thiodicarb	59669-26-0	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Benomyl	17804-35-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: 3-Hydroxy Carbofuran	16655-82-6	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Aldicarb	116-06-3	0.01 (0.02)*	mg/kg	<0.02	<0.02	0.0	No Limit
		EP234: Molinate	2212-67-1	0.02 (0.03)*	mg/kg	<0.03	<0.03	0.0	No Limit
		EP234: Bendiocarb	22781-23-3	1	mg/kg	<1	<1	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Carbaryl	63-25-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Carbofuran	1563-66-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Methiocarb	2032-65-7	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Methomyl	16752-77-5	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Oxamyl	23135-22-0	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Thiobencarb	28249-77-6	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Thiodicarb	59669-26-0	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Benomyl	17804-35-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: 3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Aldicarb	116-06-3	0.01	mg/kg	<0.01	<0.01	0.0	No Limit
		EP234: Molinate	2212-67-1	0.02	mg/kg	<0.02	<0.02	0.0	No Limit
		EP234: Bendiocarb	22781-23-3	1	mg/kg	<1	<1	0.0	No Limit
EP234D: Triazinone Herbicides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Hexazinone	51235-04-2	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Metribuzin	21087-64-9	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Hexazinone	51235-04-2	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
		EP234: Metribuzin	21087-64-9	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
EP234E: Conazole and Aminopyrimidine Fungicides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Tebuconazole	107534-96-3	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Cyprodinil	121552-61-2	0.002 (0.003) *	mg/kg	0.004	0.004	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP234E: Conazole and Aminopyrimidine Fungicides (QC Lot: 5605898) - continued									
ES2404936-007	Anonymous	EP234: Cyproconazole	94361-06-5	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Flusilazole	85509-19-9	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Hexaconazole	79983-71-4	0.004 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Pyrimethanil	53112-28-0	0.005 (0.006) *	mg/kg	0.034	0.028	19.2	No Limit
		EP234: Paclobutrazole	76738-62-0	0.01 (0.02)*	mg/kg	<0.02	<0.02	0.0	No Limit
		EP234: Propiconazole	60207-90-1	0.01 (0.02)*	mg/kg	<0.02	<0.02	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Tebuconazole	107534-96-3	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Cyprodinil	121552-61-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Cyproconazole	94361-06-5	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
		EP234: Flusilazole	85509-19-9	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
		EP234: Hexaconazole	79983-71-4	0.004	mg/kg	<0.004	<0.004	0.0	No Limit
		EP234: Pyrimethanil	53112-28-0	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Paclobutrazole	76738-62-0	0.01	mg/kg	<0.01	<0.01	0.0	No Limit
		EP234: Propiconazole	60207-90-1	0.01	mg/kg	<0.01	<0.01	0.0	No Limit
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Fluometuron	2164-17-2	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Diuron	330-54-1	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Tebuthiuron	34014-18-1	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Bromacil	314-40-9	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Fluometuron	2164-17-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Diuron	330-54-1	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Tebuthiuron	34014-18-1	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Bromacil	314-40-9	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
EP234G: Chloracetanilides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Metolachlor	51218-45-2	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Metolachlor	51218-45-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
EP234H: Triazine Herbicides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Ametryn	834-12-8	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP234H: Triazine Herbicides (QC Lot: 5605898) - continued									
ES2404936-007	Anonymous	EP234: Atrazine	1912-24-9	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Prometryn	7287-19-6	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Propazine	139-40-2	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Terbuthylazine	5915-41-3	0.002 (0.003) *	mg/kg	<0.003	<0.003	0.0	No Limit
		EP234: Cyanazine	21725-46-2	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Simazine	122-34-9	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
		EP234: Terbutryn	886-50-0	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Ametryn	834-12-8	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Atrazine	1912-24-9	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Prometryn	7287-19-6	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Propazine	139-40-2	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Terbuthylazine	5915-41-3	0.002	mg/kg	<0.002	<0.002	0.0	No Limit
		EP234: Cyanazine	21725-46-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Simazine	122-34-9	0.005	mg/kg	<0.005	<0.005	0.0	No Limit
		EP234: Terbutryn	886-50-0	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP234I: Miscellaneous (ESI Positive Mode) Pesticides (QC Lot: 5605898)									
ES2404936-007	Anonymous	EP234: Irgarol	28159-98-0	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
		EP234: Fenarimol	60168-88-9	0.005 (0.006) *	mg/kg	<0.006	<0.006	0.0	No Limit
ES2404961-025	STP06/0.1-1	EP234: Irgarol	28159-98-0	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
		EP234: Fenarimol	60168-88-9	0.005	mg/kg	<0.005	<0.005	0.0	No Limit

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG020T: Total Metals by ICP-MS (QC Lot: 5619725)									
ES2404493-002	Anonymous	EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-T: Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Copper	7440-50-8	0.001	mg/L	0.003	0.003	0.0	No Limit
		EG020A-T: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Nickel	7440-02-0	0.001	mg/L	0.001	0.001	0.0	No Limit
		EG020A-T: Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0	No Limit
ES2405359-001	Anonymous	EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EG020T: Total Metals by ICP-MS (QC Lot: 5619725) - continued									
ES2405359-001	Anonymous	EG020A-T: Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Lead	7439-92-1	0.001	mg/L	0.002	<0.001	79.5	No Limit
		EG020A-T: Nickel	7440-02-0	0.001	mg/L	0.002	0.002	0.0	No Limit
		EG020A-T: Zinc	7440-66-6	0.005	mg/L	0.014	0.014	0.0	No Limit
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 5619747)									
ES2404504-002	Anonymous	EG035T: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
ES2405389-002	Anonymous	EG035T: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 5616370)									
ES2405231-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	0.07	0.03	71.6	No Limit
ES2405231-025	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	3.21	3.00	6.9	0% - 20%
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 5616366)									
ES2404493-002	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	4.5	4.4	2.8	0% - 20%
ES2405231-024	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	2.2	2.1	7.7	0% - 20%
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 5616367)									
ES2404493-002	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	1.63	1.57	3.4	0% - 20%
ES2405231-024	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.31	0.29	5.1	0% - 20%
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
EP074D: Fumigants (QC Lot: 5608510)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074D: Fumigants (QC Lot: 5608510) - continued									
ES2404839-001	Anonymous	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074F: Halogenated Aromatic Compounds (QC Lot: 5608510) - continued									
ES2404839-001	Anonymous	EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 5608510)									
ES2404839-001	Anonymous	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5608509)									
ES2405157-007	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	130	130	0.0	No Limit
ES2404839-001	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5608509)									
ES2405157-007	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	110	110	0.0	No Limit
ES2404839-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
EP080: BTEXN (QC Lot: 5608509)									
ES2405157-007	Anonymous	EP080: Benzene	71-43-2	1	µg/L	3	3	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	4	4	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	20	19	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	18	18	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	2	µg/L	17	16	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit
ES2404839-001	Anonymous	EP080: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5607143)									
ES2404961-022	QA10a	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5607143) - continued									
ES2404961-022	QA10a	EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5607143)									
ES2404961-022	QA10a	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.05	0.05	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5607143)									
ES2404961-022	QA10a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5607143)									
ES2404961-022	QA10a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5607143)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231P: PFAS Sums (QC Lot: 5607143) - continued									
ES2404961-022	QA10a	EP231X: Sum of PFAS	----	0.01	µg/L	0.11	0.11	0.0	0% - 50%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 5605887)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	98.4	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	81.5	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	116	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	94.7	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	96.4	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	98.3	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	92.4	66.0	133
EA010: Conductivity (1:5) (QCLot: 5605918)								
EA010: Electrical Conductivity @ 25°C	----	1	µS/cm	<1	1412 µS/cm	92.8	92.0	108
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5605888)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	107	70.0	125
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5606308)								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	1 mg/kg	90.6	62.0	126
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606309)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	107	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	98.9	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	105	67.0	119
EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	104	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.1	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	93.8	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	97.4	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	97.8	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	94.7	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	100	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	94.7	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	94.5	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	98.3	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	94.6	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	107	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	107	69.0	121

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606309) - continued								
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	88.8	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	98.6	62.0	124
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	96.6	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	90.9	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	93.5	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5606309)								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	98.8	59.0	119
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	78.8	62.0	128
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	82.7	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	95.1	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	97.2	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	99.7	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	91.4	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	95.1	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	93.4	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	93.7	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	89.4	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	97.9	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	91.1	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	101	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	97.4	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	90.3	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	93.2	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	97.9	65.0	127
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	74.8	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5606983)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	83.2	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	86.0	65.0	117
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	82.9	66.0	122
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	83.5	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	84.3	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	84.1	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	83.5	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	83.6	66.0	118

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5606983) - continued								
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	82.5	59.0	125
EP074B: Oxygenated Compounds (QCLot: 5606983)								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	81.1	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	61.1	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	89.3	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	72.7	54.0	136
EP074C: Sulfonated Compounds (QCLot: 5606983)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	76.9	54.0	126
EP074D: Fumigants (QCLot: 5606983)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	76.2	60.0	126
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	90.5	68.0	124
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	80.0	51.0	119
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	78.4	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	87.8	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 5606983)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	101	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	101	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	116	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	97.7	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	91.0	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	93.5	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	87.3	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	77.2	43.0	129
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	87.1	64.0	120
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	87.2	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	88.4	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	80.1	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	84.4	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	75.4	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	88.4	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	87.7	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	89.5	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	88.1	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	94.0	68.0	122

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 5606983) - continued								
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	86.0	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	79.9	62.0	122
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	73.0	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	62.0	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	90.0	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	87.3	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	75.4	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	78.8	53.0	129
EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1 mg/kg	95.8	50.0	128
EP074F: Halogenated Aromatic Compounds (QCLot: 5606983)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	88.1	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	89.6	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	83.6	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	84.3	67.0	123
EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1 mg/kg	87.1	70.0	116
EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1 mg/kg	85.5	67.0	117
EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1 mg/kg	86.2	70.0	114
EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1 mg/kg	85.1	48.0	122
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	89.5	52.0	122
EP074G: Trihalomethanes (QCLot: 5606983)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	78.4	66.0	124
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	80.3	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	76.4	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	69.1	60.0	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5606311)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	99.1	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	90.4	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	90.1	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	90.3	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	105	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	105	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	106	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	104	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	96.2	69.0	123

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5606311) - continued								
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	99.2	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	98.6	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	99.1	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	89.3	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	88.0	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	86.0	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	88.4	63.0	121
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5606310)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	100	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	98.0	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	96.6	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5606982)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	92.5	72.2	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5606310)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	99.4	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	97.1	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	97.1	63.0	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5606982)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	87.4	72.4	133
EP080: BTEXN (QCLot: 5606982)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	105	76.0	124
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	96.2	78.5	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	99.1	77.4	121
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	103	78.2	121
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	103	81.3	121
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	94.6	78.8	122
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5610601)								
EP202: 4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg	<0.02	0.1 mg/kg	67.8	54.4	128
EP202: 2.4-DB	94-82-6	0.02	mg/kg	<0.02	0.1 mg/kg	67.5	45.5	130
EP202: Dicamba	1918-00-9	0.02	mg/kg	<0.02	0.1 mg/kg	64.2	51.7	135
EP202: Mecoprop	93-65-2	0.02	mg/kg	<0.02	0.1 mg/kg	68.9	60.0	130
EP202: MCPA	94-74-6	0.02	mg/kg	<0.02	0.1 mg/kg	65.0	56.8	131
EP202: 2.4-DP	120-36-5	0.02	mg/kg	<0.02	0.1 mg/kg	71.9	50.0	141

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5610601) - continued								
EP202: 2.4-D	94-75-7	0.02	mg/kg	<0.02	0.1 mg/kg	71.9	68.5	131
EP202: Triclopyr	55335-06-3	0.02	mg/kg	<0.02	0.1 mg/kg	72.8	50.8	141
EP202: 2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg	<0.02	0.1 mg/kg	66.6	40.8	126
EP202: 2.4.5-T	93-76-5	0.02	mg/kg	<0.02	0.1 mg/kg	77.8	57.4	139
EP202: MCPB	94-81-5	0.02	mg/kg	<0.02	0.1 mg/kg	77.1	38.9	137
EP202: Picloram	1918-02-1	0.02	mg/kg	<0.02	0.1 mg/kg	56.2	48.7	129
EP202: Clopyralid	1702-17-6	0.02	mg/kg	<0.02	0.1 mg/kg	57.9	49.4	106
EP202: Fluroxypyr	69377-81-7	0.02	mg/kg	<0.02	0.1 mg/kg	66.1	53.2	128
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5613949)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	123	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.3	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5613949)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	74.3	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	110	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.7	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	118	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	118	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.2	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.8	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.0	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5613949)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	112	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	107	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	94.2	65.1	134

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5613949) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	122	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.4	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5613949)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.8	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	114	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	101	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	76.4	69.2	143
EP234A: OP Pesticides (QCLot: 5605898)								
EP234: Azinphos-ethyl	2642-71-9	0.005	mg/kg	<0.005	0.04 mg/kg	108	70.0	130
EP234: Azinphos-methyl	86-50-0	0.005	mg/kg	<0.005	0.04 mg/kg	99.0	60.0	118
EP234: Chlorfenvinphos	470-90-6	0.005	mg/kg	<0.005	0.04 mg/kg	# 116	61.0	111
EP234: Coumaphos	56-72-4	0.002	mg/kg	<0.002	0.02 mg/kg	# 104	65.0	101
EP234: Diazinon	333-41-5	0.002	mg/kg	<0.002	0.02 mg/kg	# 95.8	63.0	95.0
EP234: Dimethoate	60-51-5	0.004	mg/kg	<0.004	0.04 mg/kg	88.7	70.0	130
EP234: Disulfoton	298-04-4	0.01	mg/kg	<0.01	0.1 mg/kg	92.4	70.0	130
EP234: Ethoprophos	13194-48-4	0.002	mg/kg	<0.002	0.02 mg/kg	73.2	70.0	130
EP234: Fenamiphos	22224-92-6	0.002	mg/kg	<0.002	0.02 mg/kg	95.5	70.0	130
EP234: Fenitrothion	122-14-5	0.5	mg/kg	<0.5	4 mg/kg	70.0	70.0	130
EP234: Fensulfothion	115-90-2	0.005	mg/kg	<0.005	0.02 mg/kg	104	62.0	116
EP234: Fenthion	55-38-9	0.01	mg/kg	<0.010	0.1 mg/kg	84.2	70.0	130
EP234: Malathion	121-75-5	0.005	mg/kg	<0.005	0.04 mg/kg	74.7	70.0	130
EP234: Mevinphos	7786-34-7	0.005	mg/kg	<0.005	0.04 mg/kg	102	67.0	123
EP234: Monocrotophos	6923-22-4	0.005	mg/kg	<0.005	0.04 mg/kg	109	61.0	117
EP234: Omethoate	1113-02-6	0.002	mg/kg	<0.002	0.02 mg/kg	91.0	70.0	130
EP234: Parathion	56-38-2	0.05	mg/kg	<0.05	0.4 mg/kg	70.0	70.0	130
EP234: Parathion-methyl	298-00-0	0.5	mg/kg	<0.5	4 mg/kg	86.0	62.0	118
EP234: Phorate	298-02-2	0.02	mg/kg	<0.02	0.2 mg/kg	91.9	70.0	130
EP234: Pirimiphos-methyl	29232-93-7	0.002	mg/kg	<0.002	0.02 mg/kg	86.3	63.0	103
EP234: Sulfotep	3689-24-5	0.001	mg/kg	<0.001	0.01 mg/kg	88.5	59.0	111
EP234: Tetrachlorvinphos	22248-79-9	0.002	mg/kg	<0.002	0.02 mg/kg	# 108	60.0	106
EP234: Triazophos	24017-47-8	0.001	mg/kg	<0.001	0.01 mg/kg	88.8	63.0	107
EP234B: Thiocarbamates and Carbamates (QCLot: 5605898)								
EP234: Aldicarb	116-06-3	0.01	mg/kg	<0.01	0.1 mg/kg	95.4	67.0	117

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP234B: Thiocarbamates and Carbamates (QCLot: 5605898) - continued								
EP234: Bendiocarb	22781-23-3	1	mg/kg	<1	0.2 mg/kg	81.0	70.0	130
EP234: Benomyl	17804-35-2	0.005	mg/kg	<0.005	----	----	----	----
EP234: Carbaryl	63-25-2	0.002	mg/kg	<0.002	0.02 mg/kg	115	70.0	130
EP234: Carbofuran	1563-66-2	0.002	mg/kg	<0.002	0.02 mg/kg	108	70.0	130
EP234: 3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg	<0.005	0.04 mg/kg	90.7	70.0	130
EP234: Methiocarb	2032-65-7	0.002	mg/kg	<0.002	0.02 mg/kg	102	70.0	130
EP234: Methomyl	16752-77-5	0.002	mg/kg	<0.002	0.02 mg/kg	97.4	70.0	130
EP234: Molinate	2212-67-1	0.02	mg/kg	<0.02	0.2 mg/kg	100	70.0	130
EP234: Oxamyl	23135-22-0	0.002	mg/kg	<0.002	0.02 mg/kg	99.7	70.0	130
EP234: Thiobencarb	28249-77-6	0.002	mg/kg	<0.002	0.02 mg/kg	73.4	59.0	109
EP234: Thiodicarb	59669-26-0	0.002	mg/kg	<0.002	0.02 mg/kg	85.9	70.0	130
EP234D: Triazinone Herbicides (QCLot: 5605898)								
EP234: Hexazinone	51235-04-2	0.004	mg/kg	<0.004	0.04 mg/kg	97.5	62.0	124
EP234: Metribuzin	21087-64-9	0.004	mg/kg	<0.004	0.04 mg/kg	98.8	65.0	119
EP234E: Conazole and Aminopyrimidine Fungicides (QCLot: 5605898)								
EP234: Cyproconazole	94361-06-5	0.004	mg/kg	<0.004	0.04 mg/kg	96.9	70.0	130
EP234: Flusilazole	85509-19-9	0.004	mg/kg	<0.004	0.04 mg/kg	105	59.0	107
EP234: Hexaconazole	79983-71-4	0.004	mg/kg	<0.004	0.04 mg/kg	92.5	62.0	106
EP234: Paclobutrazole	76738-62-0	0.01	mg/kg	<0.01	0.1 mg/kg	101	70.0	130
EP234: Propiconazole	60207-90-1	0.01	mg/kg	<0.01	0.1 mg/kg	99.6	60.0	102
EP234: Tebuconazole	107534-96-3	0.002	mg/kg	<0.002	0.02 mg/kg	107	70.0	130
EP234: Cyprodinil	121552-61-2	0.002	mg/kg	<0.002	0.02 mg/kg	95.0	62.0	98.0
EP234: Pyrimethanil	53112-28-0	0.005	mg/kg	<0.005	0.04 mg/kg	96.5	61.0	127
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides (QCLot: 5605898)								
EP234: Diuron	330-54-1	0.005	mg/kg	<0.005	0.04 mg/kg	89.0	70.0	130
EP234: Fluometuron	2164-17-2	0.002	mg/kg	<0.002	0.02 mg/kg	107	64.0	122
EP234: Tebuthiuron	34014-18-1	0.005	mg/kg	<0.005	0.04 mg/kg	96.2	58.0	108
EP234: Bromacil	314-40-9	0.005	mg/kg	<0.005	0.04 mg/kg	77.0	61.0	131
EP234G: Chloracetanilides (QCLot: 5605898)								
EP234: Metolachlor	51218-45-2	0.002	mg/kg	<0.002	0.02 mg/kg	87.9	70.0	130
EP234H: Triazine Herbicides (QCLot: 5605898)								
EP234: Ametryn	834-12-8	0.002	mg/kg	<0.002	0.02 mg/kg	110	70.0	130
EP234: Atrazine	1912-24-9	0.002	mg/kg	<0.002	0.02 mg/kg	68.1	62.0	120
EP234: Cyanazine	21725-46-2	0.005	mg/kg	<0.005	0.04 mg/kg	109	70.0	130

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP234H: Triazine Herbicides (QCLot: 5605898) - continued								
EP234: Prometryn	7287-19-6	0.002	mg/kg	<0.002	0.02 mg/kg	106	58.0	130
EP234: Propazine	139-40-2	0.002	mg/kg	<0.002	0.02 mg/kg	112	61.0	127
EP234: Simazine	122-34-9	0.005	mg/kg	<0.005	0.04 mg/kg	116	70.0	130
EP234: Terbuthylazine	5915-41-3	0.002	mg/kg	<0.002	0.02 mg/kg	88.2	63.0	117
EP234: Terbutryn	886-50-0	0.1	mg/kg	<0.1	0.02 mg/kg	104	59.0	115
EP234I: Miscellaneous (ESI Positive Mode) Pesticides (QCLot: 5605898)								
EP234: Fenarimol	60168-88-9	0.005	mg/kg	<0.005	0.04 mg/kg	105	62.0	114
EP234: Irgarol	28159-98-0	0.001	mg/kg	<0.001	0.004 mg/kg	87.6	60.0	112

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG020T: Total Metals by ICP-MS (QCLot: 5619725)								
EG020A-T: Arsenic	7440-38-2	0.001	mg/L	<0.001	0.1 mg/L	102	82.0	114
EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	0.1 mg/L	96.5	84.0	112
EG020A-T: Chromium	7440-47-3	0.001	mg/L	<0.001	0.1 mg/L	99.1	86.0	116
EG020A-T: Copper	7440-50-8	0.001	mg/L	<0.001	0.1 mg/L	98.0	83.0	118
EG020A-T: Lead	7439-92-1	0.001	mg/L	<0.001	0.1 mg/L	94.8	85.0	115
EG020A-T: Nickel	7440-02-0	0.001	mg/L	<0.001	0.1 mg/L	96.8	84.0	116
EG020A-T: Zinc	7440-66-6	0.005	mg/L	<0.005	0.1 mg/L	110	79.0	117
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5619747)								
EG035T: Mercury	7439-97-6	0.0001	mg/L	<0.0001	0.01 mg/L	96.1	77.0	111
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 5616370)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	101	91.0	113
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 5616366)								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	10 mg/L	87.0	69.0	101
				<0.1	1 mg/L	94.5	70.0	118
				<0.1	5 mg/L	104	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 5616367)								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	4.42 mg/L	88.4	71.3	126
				<0.01	0.442 mg/L	100	71.3	126
				<0.01	1 mg/L	110	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5606323)								
EP066: Total Polychlorinated biphenyls	----	1	µg/L	<1	10 µg/L	79.1	68.9	113
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606321)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606321) - continued								
EP068: alpha-BHC	319-84-6	0.5	µg/L	<0.5	5 µg/L	87.9	64.9	107
EP068: Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	<0.5	5 µg/L	76.2	58.3	111
EP068: beta-BHC	319-85-7	0.5	µg/L	<0.5	5 µg/L	82.2	69.0	117
EP068: gamma-BHC	58-89-9	0.5	µg/L	<0.5	5 µg/L	86.2	70.0	112
EP068: delta-BHC	319-86-8	0.5	µg/L	<0.5	5 µg/L	86.0	68.9	110
EP068: Heptachlor	76-44-8	0.5	µg/L	<0.5	5 µg/L	79.1	65.2	108
EP068: Aldrin	309-00-2	0.5	µg/L	<0.5	5 µg/L	87.6	65.8	109
EP068: Heptachlor epoxide	1024-57-3	0.5	µg/L	<0.5	5 µg/L	83.8	67.1	107
EP068: trans-Chlordane	5103-74-2	0.5	µg/L	<0.5	5 µg/L	85.2	64.1	110
EP068: alpha-Endosulfan	959-98-8	0.5	µg/L	<0.5	5 µg/L	84.8	66.7	112
EP068: cis-Chlordane	5103-71-9	0.5	µg/L	<0.5	5 µg/L	81.5	63.2	111
EP068: Dieldrin	60-57-1	0.5	µg/L	<0.5	5 µg/L	92.5	65.2	113
EP068: 4.4`-DDE	72-55-9	0.5	µg/L	<0.5	5 µg/L	82.4	66.0	112
EP068: Endrin	72-20-8	0.5	µg/L	<0.5	5 µg/L	89.0	65.2	113
EP068: beta-Endosulfan	33213-65-9	0.5	µg/L	<0.5	5 µg/L	87.1	67.3	114
EP068: 4.4`-DDD	72-54-8	0.5	µg/L	<0.5	5 µg/L	87.6	72.0	122
EP068: Endrin aldehyde	7421-93-4	0.5	µg/L	<0.5	5 µg/L	77.3	66.9	109
EP068: Endosulfan sulfate	1031-07-8	0.5	µg/L	<0.5	5 µg/L	78.5	65.2	112
EP068: 4.4`-DDT	50-29-3	2	µg/L	<2.0	5 µg/L	90.5	65.2	112
EP068: Endrin ketone	53494-70-5	0.5	µg/L	<0.5	5 µg/L	89.0	63.8	110
EP068: Methoxychlor	72-43-5	2	µg/L	<2.0	5 µg/L	88.1	61.1	114
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5606321)								
EP068: Dichlorvos	62-73-7	0.5	µg/L	<0.5	5 µg/L	89.1	65.6	114
EP068: Demeton-S-methyl	919-86-8	0.5	µg/L	<0.5	5 µg/L	95.1	63.7	113
EP068: Monocrotophos	6923-22-4	2	µg/L	<2.0	5 µg/L	25.5	19.7	48.0
EP068: Dimethoate	60-51-5	0.5	µg/L	<0.5	5 µg/L	107	69.5	110
EP068: Diazinon	333-41-5	0.5	µg/L	<0.5	5 µg/L	90.0	71.1	110
EP068: Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	<0.5	5 µg/L	85.6	77.0	119
EP068: Parathion-methyl	298-00-0	2	µg/L	<2.0	5 µg/L	82.4	70.0	124
EP068: Malathion	121-75-5	0.5	µg/L	<0.5	5 µg/L	97.6	68.4	116
EP068: Fenthion	55-38-9	0.5	µg/L	<0.5	5 µg/L	82.1	68.6	112
EP068: Chlorpyrifos	2921-88-2	0.5	µg/L	<0.5	5 µg/L	86.4	75.0	119
EP068: Parathion	56-38-2	2	µg/L	<2.0	5 µg/L	77.2	67.0	121
EP068: Pirimphos-ethyl	23505-41-1	0.5	µg/L	<0.5	5 µg/L	81.6	69.0	121

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5606321) - continued								
EP068: Chlorfenvinphos	470-90-6	0.5	µg/L	<0.5	5 µg/L	100	71.8	110
EP068: Bromophos-ethyl	4824-78-6	0.5	µg/L	<0.5	5 µg/L	84.4	67.5	112
EP068: Fenamiphos	22224-92-6	0.5	µg/L	<0.5	5 µg/L	107	64.1	116
EP068: Prothiofos	34643-46-4	0.5	µg/L	<0.5	5 µg/L	74.4	67.8	114
EP068: Ethion	563-12-2	0.5	µg/L	<0.5	5 µg/L	94.7	74.0	120
EP068: Carbophenothion	786-19-6	0.5	µg/L	<0.5	5 µg/L	87.1	66.2	114
EP068: Azinphos Methyl	86-50-0	0.5	µg/L	<0.5	5 µg/L	86.4	51.6	128
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5608510)								
EP074: Styrene	100-42-5	5	µg/L	<5	10 µg/L	95.3	73.0	119
EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	10 µg/L	103	76.0	118
EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	10 µg/L	106	69.0	119
EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	10 µg/L	106	74.0	116
EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	10 µg/L	108	73.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	10 µg/L	106	74.0	116
EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	10 µg/L	106	72.0	116
EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	10 µg/L	108	71.0	119
EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	10 µg/L	107	65.0	123
EP074B: Oxygenated Compounds (QCLot: 5608510)								
EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	100 µg/L	93.1	61.4	134
EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	100 µg/L	115	73.6	130
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	100 µg/L	86.9	66.0	132
EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	100 µg/L	111	65.0	137
EP074C: Sulfonated Compounds (QCLot: 5608510)								
EP074: Carbon disulfide	75-15-0	5	µg/L	<5	10 µg/L	88.5	72.8	127
EP074D: Fumigants (QCLot: 5608510)								
EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	10 µg/L	99.6	68.0	122
EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	10 µg/L	97.1	76.0	118
EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	10 µg/L	91.7	62.0	120
EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	10 µg/L	91.3	60.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	10 µg/L	95.7	69.0	117
EP074E: Halogenated Aliphatic Compounds (QCLot: 5608510)								
EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	100 µg/L	78.1	60.6	138
EP074: Chloromethane	74-87-3	50	µg/L	<50	100 µg/L	89.8	67.4	130
EP074: Vinyl chloride	75-01-4	50	µg/L	<50	100 µg/L	90.9	69.4	129

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 5608510) - continued								
EP074: Bromomethane	74-83-9	50	µg/L	<50	100 µg/L	90.6	56.0	140
EP074: Chloroethane	75-00-3	50	µg/L	<50	100 µg/L	97.4	61.0	139
EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	100 µg/L	93.5	69.0	131
EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	10 µg/L	93.9	70.0	124
EP074: Iodomethane	74-88-4	5	µg/L	<5	10 µg/L	91.1	70.2	128
EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	10 µg/L	98.4	74.0	118
EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	10 µg/L	96.1	74.0	120
EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	10 µg/L	99.8	77.0	119
EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	10 µg/L	95.4	67.0	119
EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	10 µg/L	99.1	73.0	119
EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	10 µg/L	94.9	62.0	120
EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	10 µg/L	96.0	73.0	123
EP074: Trichloroethene	79-01-6	5	µg/L	<5	10 µg/L	101	76.0	118
EP074: Dibromomethane	74-95-3	5	µg/L	<5	10 µg/L	91.3	73.0	119
EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	10 µg/L	100.0	72.0	126
EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	10 µg/L	98.8	71.0	129
EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	10 µg/L	106	72.0	124
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	10 µg/L	95.0	66.0	114
EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	10 µg/L	86.7	60.0	120
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	10 µg/L	89.1	70.6	128
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	10 µg/L	97.3	70.0	124
EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	10 µg/L	96.8	74.0	126
EP074: Pentachloroethane	76-01-7	5	µg/L	<5	10 µg/L	92.1	71.8	126
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	10 µg/L	82.3	66.4	136
EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	10 µg/L	111	58.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5608510)								
EP074: Chlorobenzene	108-90-7	5	µg/L	<5	10 µg/L	101	79.0	117
EP074: Bromobenzene	108-86-1	5	µg/L	<5	10 µg/L	102	76.0	116
EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	10 µg/L	110	73.0	119
EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	10 µg/L	109	73.0	119
EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	10 µg/L	107	75.0	117
EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	10 µg/L	108	74.0	118
EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	10 µg/L	104	75.0	117
EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	10 µg/L	108	61.0	125

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP074F: Halogenated Aromatic Compounds (QCLot: 5608510) - continued								
EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	10 µg/L	105	67.0	123
EP074G: Trihalomethanes (QCLot: 5608510)								
EP074: Chloroform	67-66-3	5	µg/L	<5	10 µg/L	98.4	72.0	120
EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	10 µg/L	93.2	64.0	118
EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	10 µg/L	93.2	65.0	115
EP074: Bromoform	75-25-2	5	µg/L	<5	10 µg/L	88.3	73.5	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5606322)								
EP075(SIM): Naphthalene	91-20-3	1	µg/L	<1.0	5 µg/L	71.7	50.0	94.0
EP075(SIM): Acenaphthylene	208-96-8	1	µg/L	<1.0	5 µg/L	71.0	63.6	114
EP075(SIM): Acenaphthene	83-32-9	1	µg/L	<1.0	5 µg/L	71.0	62.2	113
EP075(SIM): Fluorene	86-73-7	1	µg/L	<1.0	5 µg/L	70.4	63.9	115
EP075(SIM): Phenanthrene	85-01-8	1	µg/L	<1.0	5 µg/L	75.3	62.6	116
EP075(SIM): Anthracene	120-12-7	1	µg/L	<1.0	5 µg/L	76.6	64.3	116
EP075(SIM): Fluoranthene	206-44-0	1	µg/L	<1.0	5 µg/L	70.9	63.6	118
EP075(SIM): Pyrene	129-00-0	1	µg/L	<1.0	5 µg/L	80.0	63.1	118
EP075(SIM): Benz(a)anthracene	56-55-3	1	µg/L	<1.0	5 µg/L	71.4	64.1	117
EP075(SIM): Chrysene	218-01-9	1	µg/L	<1.0	5 µg/L	75.1	62.5	116
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	<1.0	5 µg/L	67.6	61.7	119
EP075(SIM): Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	5 µg/L	87.3	63.0	115
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	5 µg/L	74.0	63.3	117
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	<1.0	5 µg/L	72.0	59.9	118
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	1	µg/L	<1.0	5 µg/L	72.2	61.2	117
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	1	µg/L	<1.0	5 µg/L	77.3	59.1	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5606320)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	400 µg/L	67.5	53.7	97.0
EP071: C15 - C28 Fraction	----	100	µg/L	<100	600 µg/L	83.3	63.3	107
EP071: C29 - C36 Fraction	----	50	µg/L	<50	400 µg/L	114	58.3	120
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5608509)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	260 µg/L	88.9	75.0	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5606320)								
EP071: >C10 - C16 Fraction	----	100	µg/L	<100	500 µg/L	70.8	53.9	95.5
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	700 µg/L	84.8	57.8	110
EP071: >C34 - C40 Fraction	----	100	µg/L	<100	300 µg/L	89.3	50.5	115

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5608509)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	310 µg/L	92.4	75.0	127
EP080: BTEXN (QCLot: 5608509)								
EP080: Benzene	71-43-2	1	µg/L	<1	10 µg/L	97.5	68.3	119
EP080: Toluene	108-88-3	2	µg/L	<2	10 µg/L	107	73.5	120
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	10 µg/L	113	73.8	122
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	10 µg/L	116	73.0	122
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	10 µg/L	117	76.4	123
EP080: Naphthalene	91-20-3	5	µg/L	<5	10 µg/L	108	75.5	124
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5607143)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	94.6	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	118	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	101	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	93.5	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	86.2	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	85.2	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5607143)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	99.8	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	118	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	94.1	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	83.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	83.5	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	99.5	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	83.7	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	86.5	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	101	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5607143)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	90.1	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	98.0	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	115	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	106	66.0	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5607143) - continued								
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	84.2	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	108	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	106	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5607143)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	118	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	94.8	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	90.3	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.6	71.4	144

Matrix Spike (MS) Report

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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 5605887)							
ES2404597-001	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	101	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	93.3	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	96.3	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	95.7	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	94.3	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	93.4	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	92.9	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5605888)							
ES2404597-001	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	98.5	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5606308)							
ES2404961-015	QA03a	EP066: Total Polychlorinated biphenyls	----	1 mg/kg	104	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606309)							
ES2404961-015	QA03a	EP068: gamma-BHC	58-89-9	0.5 mg/kg	97.3	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	85.2	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	100	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	99.1	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	92.8	70.0	130

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP068A: Organochlorine Pesticides (OC) (QCLot: 5606309) - continued							
ES2404961-015	QA03a	EP068: 4.4`-DDT	50-29-3	2 mg/kg	85.9	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5606309)							
ES2404961-015	QA03a	EP068: Diazinon	333-41-5	0.5 mg/kg	90.5	70.0	130
		EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	95.7	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	92.5	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	96.2	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	90.3	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 5606983)							
ES2404961-015	QA03a	EP074: 1.1-Dichloroethene	75-35-4	2.5 mg/kg	79.5	70.0	130
		EP074: Trichloroethene	79-01-6	2.5 mg/kg	75.2	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5606983)							
ES2404961-015	QA03a	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	79.7	70.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5606311)							
ES2404961-015	QA03a	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	108	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	127	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5606310)							
ES2404961-015	QA03a	EP071: C10 - C14 Fraction	----	480 mg/kg	118	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	110	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	115	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5606982)							
ES2404961-015	QA03a	EP080: C6 - C9 Fraction	----	32.5 mg/kg	70.7	60.4	142
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5606310)							
ES2404961-015	QA03a	EP071: >C10 - C16 Fraction	----	860 mg/kg	112	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	113	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	117	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5606982)							
ES2404961-015	QA03a	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	63.8	61.1	142
EP080: BTEXN (QCLot: 5606982)							
ES2404961-015	QA03a	EP080: Benzene	71-43-2	2.5 mg/kg	82.1	62.1	122
		EP080: Toluene	108-88-3	2.5 mg/kg	74.4	66.6	119
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	77.3	67.4	123
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	78.8	66.4	121
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	80.4	70.7	121
		EP080: Naphthalene	91-20-3	2.5 mg/kg	78.2	61.1	115
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5610601)							

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5610601) - continued							
EM2402107-052	Anonymous	EP202: Mecoprop	93-65-2	0.1 mg/kg	78.5	60.0	140
		EP202: MCPA	94-74-6	0.1 mg/kg	66.8	57.0	143
		EP202: 2.4-D	94-75-7	0.1 mg/kg	77.6	68.0	139
		EP202: Triclopyr	55335-06-3	0.1 mg/kg	85.4	51.0	145
		EP202: 2.4.5-T	93-76-5	0.1 mg/kg	68.7	57.0	142
		EP202: Picloram	1918-02-1	0.1 mg/kg	74.0	49.0	138
		EP202: Clopyralid	1702-17-6	0.1 mg/kg	64.8	49.0	149
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5613949)							
ES2404961-019	QA07a	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	96.8	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	118	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	99.6	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	92.8	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	86.5	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	95.4	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5613949)							
ES2404961-019	QA07a	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	76.7	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	88.3	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	82.1	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	100.0	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	93.0	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	101	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	104	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	90.2	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	94.4	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	95.8	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	119	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5613949)							
ES2404961-019	QA07a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	100	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	95.7	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	108	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	104	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	92.1	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	114	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	82.1	61.0	139

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5613949)							
ES2404961-019	QA07a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	87.2	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	90.0	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	88.5	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	96.1	69.2	143
EP234A: OP Pesticides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Azinphos-ethyl	2642-71-9	0.04 mg/kg	70.1	70.0	130
		EP234: Azinphos-methyl	86-50-0	0.04 mg/kg	98.9	60.0	118
		EP234: Chlorfenvinphos	470-90-6	0.04 mg/kg	97.3	61.0	111
		EP234: Coumaphos	56-72-4	0.02 mg/kg	85.2	65.0	101
		EP234: Diazinon	333-41-5	0.02 mg/kg	70.8	63.0	95.0
		EP234: Dimethoate	60-51-5	0.04 mg/kg	94.8	70.0	130
		EP234: Disulfoton	298-04-4	0.1 mg/kg	82.5	70.0	130
		EP234: Ethoprophos	13194-48-4	0.02 mg/kg	# 134	70.0	130
		EP234: Fenamiphos	22224-92-6	0.02 mg/kg	79.7	70.0	130
		EP234: Fenitrothion	122-14-5	4 mg/kg	124	70.0	130
		EP234: Fensulfothion	115-90-2	0.02 mg/kg	106	62.0	116
		EP234: Fenthion	55-38-9	0.1 mg/kg	84.5	70.0	130
		EP234: Malathion	121-75-5	0.04 mg/kg	# 556	70.0	130
		EP234: Mevinphos	7786-34-7	0.04 mg/kg	77.5	67.0	123
		EP234: Monocrotophos	6923-22-4	0.04 mg/kg	106	61.0	117
		EP234: Omethoate	1113-02-6	0.02 mg/kg	82.4	70.0	130
		EP234: Parathion	56-38-2	0.4 mg/kg	# 46.0	70.0	130
		EP234: Parathion-methyl	298-00-0	4 mg/kg	92.5	62.0	118
		EP234: Phorate	298-02-2	0.2 mg/kg	76.8	70.0	130
		EP234: Pirimiphos-methyl	29232-93-7	0.02 mg/kg	64.8	63.0	103
		EP234: Sulfotep	3689-24-5	0.01 mg/kg	76.3	59.0	111
		EP234: Tetrachlorvinphos	22248-79-9	0.02 mg/kg	# 112	60.0	106
		EP234: Triazophos	24017-47-8	0.01 mg/kg	76.6	63.0	107
EP234B: Thiocarbamates and Carbamates (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Aldicarb	116-06-3	0.1 mg/kg	# 63.4	67.0	117
		EP234: Bendiocarb	22781-23-3	0.2 mg/kg	116	70.0	130
		EP234: Carbaryl	63-25-2	0.02 mg/kg	98.6	70.0	130
		EP234: Carbofuran	1563-66-2	0.02 mg/kg	72.7	70.0	130
		EP234: 3-Hydroxy Carbofuran	16655-82-6	0.04 mg/kg	86.2	70.0	130
		EP234: Methiocarb	2032-65-7	0.02 mg/kg	82.9	70.0	130
		EP234: Methomyl	16752-77-5	0.02 mg/kg	75.5	70.0	130
		EP234: Molinate	2212-67-1	0.2 mg/kg	94.5	70.0	130
		EP234: Oxamyl	23135-22-0	0.02 mg/kg	90.3	70.0	130
		EP234: Thiobencarb	28249-77-6	0.02 mg/kg	67.4	59.0	109

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP234B: Thiocarbamates and Carbamates (QCLot: 5605898) - continued							
ES2404936-007	Anonymous	EP234: Thiodicarb	59669-26-0	0.02 mg/kg	# 55.4	70.0	130
EP234D: Triazinone Herbicides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Hexazinone	51235-04-2	0.04 mg/kg	89.6	62.0	124
		EP234: Metribuzin	21087-64-9	0.04 mg/kg	86.5	65.0	119
EP234E: Conazole and Aminopyrimidine Fungicides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Cyproconazole	94361-06-5	0.04 mg/kg	83.8	70.0	130
		EP234: Flusilazole	85509-19-9	0.04 mg/kg	88.9	59.0	107
		EP234: Hexaconazole	79983-71-4	0.04 mg/kg	83.2	62.0	106
		EP234: Paclobutrazole	76738-62-0	0.1 mg/kg	82.5	70.0	130
		EP234: Propiconazole	60207-90-1	0.1 mg/kg	77.3	60.0	102
		EP234: Tebuconazole	107534-96-3	0.02 mg/kg	73.0	70.0	130
		EP234: Cyprodinil	121552-61-2	0.02 mg/kg	74.7	62.0	98.0
		EP234: Pyrimethanil	53112-28-0	0.04 mg/kg	69.4	61.0	127
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Diuron	330-54-1	0.04 mg/kg	83.3	70.0	130
		EP234: Fluometuron	2164-17-2	0.02 mg/kg	68.6	64.0	112
		EP234: Tebuthiuron	34014-18-1	0.04 mg/kg	81.4	58.0	108
		EP234: Bromacil	314-40-9	0.04 mg/kg	81.4	61.0	131
EP234G: Chloracetanilides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Metolachlor	51218-45-2	0.02 mg/kg	72.2	70.0	130
EP234H: Triazine Herbicides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Ametryn	834-12-8	0.02 mg/kg	87.7	70.0	130
		EP234: Atrazine	1912-24-9	0.02 mg/kg	# 59.4	62.0	120
		EP234: Cyanazine	21725-46-2	0.04 mg/kg	77.5	70.0	130
		EP234: Prometryn	7287-19-6	0.02 mg/kg	93.8	58.0	130
		EP234: Propazine	139-40-2	0.02 mg/kg	89.8	61.0	127
		EP234: Simazine	122-34-9	0.04 mg/kg	87.7	70.0	130
		EP234: Terbuthylazine	5915-41-3	0.02 mg/kg	# 60.2	63.0	117
		EP234: Terbutryn	886-50-0	0.02 mg/kg	87.0	59.0	115
EP234I: Miscellaneous (ESI Positive Mode) Pesticides (QCLot: 5605898)							
ES2404936-007	Anonymous	EP234: Fenarimol	60168-88-9	0.04 mg/kg	62.9	60.0	114
		EP234: Irgarol	28159-98-0	0.004 mg/kg	75.2	60.0	112

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG020T: Total Metals by ICP-MS (QCLot: 5619725)							

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EG020T: Total Metals by ICP-MS (QCLot: 5619725) - continued							
ES2404961-022	QA10a	EG020A-T: Arsenic	7440-38-2	1 mg/L	96.9	70.0	130
		EG020A-T: Cadmium	7440-43-9	0.25 mg/L	96.7	70.0	130
		EG020A-T: Chromium	7440-47-3	1 mg/L	99.6	70.0	130
		EG020A-T: Copper	7440-50-8	1 mg/L	102	70.0	130
		EG020A-T: Lead	7439-92-1	1 mg/L	93.0	70.0	130
		EG020A-T: Nickel	7440-02-0	1 mg/L	101	70.0	130
		EG020A-T: Zinc	7440-66-6	1 mg/L	91.8	70.0	130
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5619747)							
ES2404504-006	Anonymous	EG035T: Mercury	7439-97-6	0.01 mg/L	87.3	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 5616370)							
ES2405231-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	92.6	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 5616366)							
ES2404961-022	QA10a	EK061G: Total Kjeldahl Nitrogen as N	----	10 mg/L	90.8	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 5616367)							
ES2404961-022	QA10a	EK067G: Total Phosphorus as P	----	1 mg/L	# Not Determined	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 5608510)							
ES2404839-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	25 µg/L	105	70.0	130
		EP074: Trichloroethene	79-01-6	25 µg/L	93.7	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5608510)							
ES2404839-001	Anonymous	EP074: Chlorobenzene	108-90-7	25 µg/L	98.4	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5608509)							
ES2404839-001	Anonymous	EP080: C6 - C9 Fraction	----	325 µg/L	97.5	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5608509)							
ES2404839-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	375 µg/L	99.1	70.0	130
EP080: BTEXN (QCLot: 5608509)							
ES2404839-001	Anonymous	EP080: Benzene	71-43-2	25 µg/L	101	70.0	130
		EP080: Toluene	108-88-3	25 µg/L	106	70.0	130
		EP080: Ethylbenzene	100-41-4	25 µg/L	113	70.0	130
		EP080: meta- & para-Xylene	108-38-3 106-42-3	25 µg/L	113	70.0	130
		EP080: ortho-Xylene	95-47-6	25 µg/L	109	70.0	130
		EP080: Naphthalene	91-20-3	25 µg/L	105	70.0	130
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5607143)							
ES2404961-022	QA10a	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	109	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	120	71.0	127

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5607143) - continued							
ES2404961-022	QA10a	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	105	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	104	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	94.1	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	84.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5607143)							
ES2404961-022	QA10a	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	107	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	120	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	116	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	92.0	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	85.3	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	83.9	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	96.3	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	89.5	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	103	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	83.8	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	116	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5607143)							
ES2404961-022	QA10a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	89.3	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	108	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	122	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	110	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	89.3	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	112	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	92.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5607143)							
ES2404961-022	QA10a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	110	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	109	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	111	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	88.5	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2404961**	Page	: 1 of 19
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 13-Feb-2024
Site	: Rickard Road, Leppington	Issue Date	: 28-Feb-2024
Sampler	: JP, PV	No. of samples received	: 30
Order number	: 30018043	No. of samples analysed	: 19

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

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

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **Laboratory Control outliers exist - please see following pages for full details.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP234A: OP Pesticides	QC-5605898-002	----	**Chlorfenvinphos**	470-90-6	116 %	61.0-111%	**Recovery greater than upper control limit**
EP234A: OP Pesticides	QC-5605898-002	----	**Coumaphos**	56-72-4	104 %	65.0-101%	**Recovery greater than upper control limit**
EP234A: OP Pesticides	QC-5605898-002	----	**Diazinon**	333-41-5	95.8 %	63.0-95.0%	**Recovery greater than upper control limit**
EP234A: OP Pesticides	QC-5605898-002	----	**Tetrachlorvinphos**	22248-79-9	108 %	60.0-106%	**Recovery greater than upper control limit**
Matrix Spike (MS) Recoveries							
EP234A: OP Pesticides	ES2404936--007	Anonymous	**Ethoprophos**	13194-48-4	134 %	70.0-130%	**Recovery greater than upper data quality objective**
EP234A: OP Pesticides	ES2404936--007	Anonymous	**Malathion**	121-75-5	556 %	70.0-130%	**Recovery greater than upper data quality objective**
EP234A: OP Pesticides	ES2404936--007	Anonymous	**Parathion**	56-38-2	46.0 %	70.0-130%	**Recovery less than lower data quality objective**
EP234A: OP Pesticides	ES2404936--007	Anonymous	**Tetrachlorvinphos**	22248-79-9	112 %	60.0-106%	**Recovery greater than upper data quality objective**
EP234B: Thiocarbamates and Carbamates	ES2404936--007	Anonymous	**Aldicarb**	116-06-3	63.4 %	67.0-117%	**Recovery less than lower data quality objective**
EP234B: Thiocarbamates and Carbamates	ES2404936--007	Anonymous	**Thiodicarb**	59669-26-0	55.4 %	70.0-130%	**Recovery less than lower data quality objective**
EP234H: Triazine Herbicides	ES2404936--007	Anonymous	**Atrazine**	1912-24-9	59.4 %	62.0-120%	**Recovery less than lower data quality objective**
EP234H: Triazine Herbicides	ES2404936--007	Anonymous	**Terbuthylazine**	5915-41-3	60.2 %	63.0-117%	**Recovery less than lower data quality objective**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EK067G: Total Phosphorus as P by Discrete Analyser	ES2404961--022	QA10a	**Total Phosphorus as P**	----	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

Method	*Extraction / Preparation*			*Analysis*		
Container / Client Sample ID(s)	*Date extracted*	*Due for extraction*	***Days overdue***	*Date analysed*	*Due for analysis*	***Days overdue***
EA010: Conductivity (1:5)						

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA010: Conductivity (1:5) - Analysis Holding Time Compliance						
Soil Glass Jar - Unpreserved						
QA07a, QA08a	19-Feb-2024	14-Feb-2024	**5**	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)						
Soil Glass Jar - Unpreserved						
QA02a	----	----	----	21-Feb-2024	19-Feb-2024	**2**
EP074A: Monocyclic Aromatic Hydrocarbons						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074B: Oxygenated Compounds						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074C: Sulfonated Compounds						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074D: Fumigants						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074E: Halogenated Aliphatic Compounds						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074F: Halogenated Aromatic Compounds						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP074G: Trihalomethanes						
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a	16-Feb-2024	13-Feb-2024	**3**	17-Feb-2024	13-Feb-2024	**4**
EP202A: Phenoxyacetic Acid Herbicides by LCMS						
Soil Glass Jar - Unpreserved						
QA02a	21-Feb-2024	19-Feb-2024	**2**	----	----	----
Soil Glass Jar - Unpreserved						
QA03a, QA04a, QA05a, QA06a	21-Feb-2024	20-Feb-2024	**1**	----	----	----

Matrix: **WATER**

Method / Container / Client Sample ID(s)	Extraction / Preparation: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Days overdue	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Days overdue
EP066: Polychlorinated Biphenyls (PCB)						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----
EP068A: Organochlorine Pesticides (OC)						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----
EP068B: Organophosphorus Pesticides (OP)						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----
EP080/071: Total Petroleum Hydrocarbons						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions						
Amber Glass Bottle - Unpreserved						
QA10a	16-Feb-2024	15-Feb-2024	1	----	----	----

Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

Quality Control Sample Type / Analytical Methods	Method	Count: QC	Count: Regular	Rate (%): Actual	Rate (%): Expected	Quality Control Specification
Laboratory Duplicates (DUP)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	8	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	10.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	8	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	8	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	8	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	8	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	8	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	8	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	8	0.00	5.00	NEPM 2013 B3 & ALS QC Standard

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: ✗ = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA010: Conductivity (1:5)							
Soil Glass Jar - Unpreserved (EA010)							
QA07a, QA08a	**07-Feb-2024**	**19-Feb-2024**	14-Feb-2024	✗	**19-Feb-2024**	18-Mar-2024	✓
EA037: Ass Field Screening Analysis							
Snap Lock Bag - frozen (EA037)							
QA07a, QA08a	**07-Feb-2024**	**26-Feb-2024**	05-Aug-2024	✓	**26-Feb-2024**	05-Aug-2024	✓
EA055: Moisture Content (Dried @ 105-110°C)							
Soil Glass Jar - Unpreserved (EA055)							
QA02a	**05-Feb-2024**	**----**	----	----	**21-Feb-2024**	19-Feb-2024	✗
Soil Glass Jar - Unpreserved (EA055)							
QA03a, QA04a, QA05a	**06-Feb-2024**	**----**	----	----	**16-Feb-2024**	20-Feb-2024	✓
Soil Glass Jar - Unpreserved (EA055)							
QA06a	**06-Feb-2024**	**----**	----	----	**20-Feb-2024**	20-Feb-2024	✓
Soil Glass Jar - Unpreserved (EA055)							
QA07a, QA08a	**07-Feb-2024**	**----**	----	----	**16-Feb-2024**	21-Feb-2024	✓
Soil Glass Jar - Unpreserved (EA055)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**----**	----	----	**21-Feb-2024**	21-Feb-2024	✓
Soil Glass Jar - Unpreserved (EA055)							
QA09a	**08-Feb-2024**	**----**	----	----	**21-Feb-2024**	22-Feb-2024	✓
EG005(ED093)T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T)							
QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	04-Aug-2024	✓	**19-Feb-2024**	04-Aug-2024	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T)							
QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	05-Mar-2024	✓	**19-Feb-2024**	05-Mar-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP066: Polychlorinated Biphenyls (PCB)							
Soil Glass Jar - Unpreserved (EP066) QA02a	**05-Feb-2024**	**19-Feb-2024**	19-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP066) QA03a, QA04a, QA05a, QA06a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP066) QA08a	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP066) QA09a	**08-Feb-2024**	**19-Feb-2024**	22-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068) QA02a	**05-Feb-2024**	**19-Feb-2024**	19-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA03a, QA04a, QA05a, QA06a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA08a	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**21-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA09a	**08-Feb-2024**	**19-Feb-2024**	22-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068) QA02a	**05-Feb-2024**	**19-Feb-2024**	19-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA03a, QA04a, QA05a, QA06a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA08a	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**21-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA09a	**08-Feb-2024**	**19-Feb-2024**	22-Feb-2024	✓	**19-Feb-2024**	30-Mar-2024	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	13-Feb-2024	×	**17-Feb-2024**	13-Feb-2024	×
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) QA03a, QA04a, QA05a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	20-Feb-2024	✓	**17-Feb-2024**	20-Feb-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA03a, QA04a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**22-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA05a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**23-Feb-2024**	30-Mar-2024	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP080) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	20-Feb-2024	✓	**17-Feb-2024**	20-Feb-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA03a, QA04a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**22-Feb-2024**	30-Mar-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA05a	**06-Feb-2024**	**19-Feb-2024**	20-Feb-2024	✓	**23-Feb-2024**	30-Mar-2024	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) QA03a, QA04a, QA05a	**06-Feb-2024**	**16-Feb-2024**	20-Feb-2024	✓	**17-Feb-2024**	20-Feb-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP202A: Phenoxyacetic Acid Herbicides by LCMS							
Soil Glass Jar - Unpreserved (EP202) QA02a	**05-Feb-2024**	**21-Feb-2024**	19-Feb-2024	×	**22-Feb-2024**	01-Apr-2024	✓
Soil Glass Jar - Unpreserved (EP202) QA03a, QA04a, QA05a, QA06a	**06-Feb-2024**	**21-Feb-2024**	20-Feb-2024	×	**22-Feb-2024**	01-Apr-2024	✓
Soil Glass Jar - Unpreserved (EP202) QA08a	**07-Feb-2024**	**21-Feb-2024**	21-Feb-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
Soil Glass Jar - Unpreserved (EP202) QA09a	**08-Feb-2024**	**21-Feb-2024**	22-Feb-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) QA07a, QA08a	**07-Feb-2024**	**21-Feb-2024**	05-Aug-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) QA07a, QA08a	**07-Feb-2024**	**21-Feb-2024**	05-Aug-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) QA07a, QA08a	**07-Feb-2024**	**21-Feb-2024**	05-Aug-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) QA07a, QA08a	**07-Feb-2024**	**21-Feb-2024**	05-Aug-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) QA07a, QA08a	**07-Feb-2024**	**21-Feb-2024**	05-Aug-2024	✓	**22-Feb-2024**	01-Apr-2024	✓
EP234A: OP Pesticides							
Soil Glass Jar - Unpreserved (EP234) SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP234B: Thiocarbamates and Carbamates							
Soil Glass Jar - Unpreserved (EP234) SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP234D: Triazinone Herbicides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP234E: Conazole and Aminopyrimidine Fungicides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP234G: Chloracetanilides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓
EP234H: Triazine Herbicides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP234I: Miscellaneous (ESI Positive Mode) Pesticides							
Soil Glass Jar - Unpreserved (EP234)							
SHA02/0.1-1, STP11/0.1-1, STP32/0.1-1, SSED01-1, SSED02-1, SHA15/0.1-1, SHA03/0.1-1, QA08a, STP01/0.1-1, STP06/0.1-1, STP19/0.1-1	**07-Feb-2024**	**19-Feb-2024**	21-Feb-2024	✓	**20-Feb-2024**	30-Mar-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EG020T: Total Metals by ICP-MS							
Clear Plastic Bottle - Nitric Acid; Unfiltered (EG020A-T)							
QA10a	**08-Feb-2024**	**23-Feb-2024**	06-Aug-2024	✓	**23-Feb-2024**	06-Aug-2024	✓
EG035T: Total Recoverable Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Unfiltered (EG035T)							
QA10a	**08-Feb-2024**	**----**	----	----	**26-Feb-2024**	07-Mar-2024	✓
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK059G)							
QA10a	**08-Feb-2024**	**----**	----	----	**22-Feb-2024**	07-Mar-2024	✓
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK061G)							
QA10a	**08-Feb-2024**	**22-Feb-2024**	07-Mar-2024	✓	**22-Feb-2024**	07-Mar-2024	✓
EK067G: Total Phosphorus as P by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK067G)							
QA10a	**08-Feb-2024**	**22-Feb-2024**	07-Mar-2024	✓	**22-Feb-2024**	07-Mar-2024	✓
EP066: Polychlorinated Biphenyls (PCB)							
Amber Glass Bottle - Unpreserved (EP066)							
QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
EP068A: Organochlorine Pesticides (OC)							
Amber Glass Bottle - Unpreserved (EP068)							
QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
EP068B: Organophosphorus Pesticides (OP)							
Amber Glass Bottle - Unpreserved (EP068)							
QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Amber VOC Vial - Sulfuric Acid (EP074)							
QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP074B: Oxygenated Compounds							
Amber VOC Vial - Sulfuric Acid (EP074)							
QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074C: Sulfonated Compounds							
Amber VOC Vial - Sulfuric Acid (EP074) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP074D: Fumigants							
Amber VOC Vial - Sulfuric Acid (EP074) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP074E: Halogenated Aliphatic Compounds							
Amber VOC Vial - Sulfuric Acid (EP074) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP074F: Halogenated Aromatic Compounds							
Amber VOC Vial - Sulfuric Acid (EP074) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP074G: Trihalomethanes							
Amber VOC Vial - Sulfuric Acid (EP074) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075(SIM)) QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
EP080/071: Total Petroleum Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP071) QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
Amber VOC Vial - Sulfuric Acid (EP080) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Amber Glass Bottle - Unpreserved (EP071) QA10a	**08-Feb-2024**	**16-Feb-2024**	15-Feb-2024	×	**20-Feb-2024**	27-Mar-2024	✓
Amber VOC Vial - Sulfuric Acid (EP080) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP080: BTEXN							
Amber VOC Vial - Sulfuric Acid (EP080) QA10a	**08-Feb-2024**	**20-Feb-2024**	22-Feb-2024	✓	**20-Feb-2024**	22-Feb-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) QA10a	**08-Feb-2024**	**19-Feb-2024**	06-Aug-2024	✓	**20-Feb-2024**	06-Aug-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) QA10a	**08-Feb-2024**	**19-Feb-2024**	06-Aug-2024	✓	**20-Feb-2024**	06-Aug-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) QA10a	**08-Feb-2024**	**19-Feb-2024**	06-Aug-2024	✓	**20-Feb-2024**	06-Aug-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
QA10a	**08-Feb-2024**	**19-Feb-2024**	06-Aug-2024	✓	**20-Feb-2024**	06-Aug-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
QA10a	**08-Feb-2024**	**19-Feb-2024**	06-Aug-2024	✓	**20-Feb-2024**	06-Aug-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
ASS Field Screening Analysis	EA037	1	10	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Electrical Conductivity (1:5)	EA010	1	10	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Moisture Content	EA055	5	42	**11.90**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	3	**33.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	16	**12.50**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by LCMSMS (Positive Ion Mode)	EP234	2	12	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	2	15	**13.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	7	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	16	**12.50**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	16	**12.50**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	3	**33.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	7	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Electrical Conductivity (1:5)	EA010	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by LCMSMS (Positive Ion Mode)	EP234	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Electrical Conductivity (1:5)	EA010	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by LCMSMS (Positive Ion Mode)	EP234	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Method Blanks (MB) - Continued							
Total Metals by ICP-AES	EG005T	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	3	33.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	4	25.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
PAH/Phenols (SIM)	EP075(SIM)	1	3	33.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by LCMSMS (Positive Ion Mode)	EP234	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	15	6.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	3	33.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	4	25.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	8	0.00	10.00	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	10.00	×	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	8	0.00	10.00	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	8	0.00	10.00	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-MS - Suite A	EG020A-T	2	15	13.33	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	8	0.00	10.00	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	13	15.38	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	10	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	3	20	15.00	15.00	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Control Samples (LCS) - Continued							
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-MS - Suite A	EG020A-T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	3	20	**15.00**	**15.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	8	**12.50**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	13	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	8	**12.50**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	8	**12.50**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	8	**12.50**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-MS - Suite A	EG020A-T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	8	**12.50**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	13	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	8	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	8	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	8	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-MS - Suite A	EG020A-T	1	15	**6.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	8	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	13	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Electrical Conductivity (1:5)	EA010	SOIL	In house: Referenced to Rayment and Lyons 3A1 and APHA 2510. Conductivity is determined on soil samples using a 1:5 soil/water leach. This method is compliant with NEPM Schedule B(3).
ASS Field Screening Analysis	* EA037	SOIL	In house: Referenced to Acid Sulfate Soils Laboratory Methods Guidelines. As received samples are tested for pH field and pH fox and assessed for a reaction rating.
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Total Metals by ICP-AES	EG005T	SOIL	In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3)
Polychlorinated Biphenyls (PCB)	EP066	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
Pesticides by GCMS	EP068	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3).
TRH - Semivolatile Fraction	EP071	SOIL	In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3).
Volatile Organic Compounds	EP074	SOIL	In house: Referenced to USEPA SW 846 - 8260 Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
PAH/Phenols (SIM)	EP075(SIM)	SOIL	In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended.
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	SOIL	In house: LCMS (Electrospray in negative mode). Residues of acid herbicides are extracted from soil samples under the alkaline condition. An aliquot of the alkaline aqueous phase is taken and acidified before a SPE cleanup. After eluting off from the SPE cartridge, residues of acid herbicides are dissolved in HPLC mobile phase prior to instrument analysis.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.
Pesticides by LCMSMS (Positive Ion Mode)	EP234	SOIL	In house: LC-MSMS, direct injection. A sample extracted into acetonitrile, diluted with water and injected directly onto the instrument.. Analysis is by LC/MSMS, ESI Positive Mode.
Total Metals by ICP-MS - Suite A	EG020A-T	WATER	In house: Referenced to APHA 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020. The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector.
Total Mercury by FIMS	EG035T	WATER	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the unfiltered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3).
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	WATER	In house: Referenced to APHA 4500-NO3- F. Combined oxidised Nitrogen (NO2+NO3) is determined by Chemical Reduction and direct colourimetry by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	WATER	In house: Referenced to APHA 4500-Norg D (In house). An aliquot of sample is digested using a high temperature Kjeldahl digestion to convert nitrogenous compounds to ammonia. Ammonia is determined colorimetrically by discrete analyser. This method is compliant with NEPM Schedule B(3)
Total Nitrogen as N (TKN + Nox) By Discrete Analyser	EK062G	WATER	In house: Referenced to APHA 4500-Norg / 4500-NO3-. This method is compliant with NEPM Schedule B(3)
Total Phosphorus as P By Discrete Analyser	EK067G	WATER	In house: Referenced to APHA 4500-P H, Jirka et al, Zhang et al. This procedure involves sulphuric acid digestion of a sample aliquot to break phosphorus down to orthophosphate. The orthophosphate reacts with ammonium molybdate and antimony potassium tartrate to form a complex which is then reduced and its concentration measured at 880nm using discrete analyser. This method is compliant with NEPM Schedule B(3)
Polychlorinated Biphenyls (PCB)	EP066	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
Pesticides by GCMS	EP068	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH - Semivolatile Fraction	EP071	WATER	In house: Referenced to USEPA SW 846 - 8015 The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM Schedule B(3)
Volatile Organic Compounds	EP074	WATER	In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)

Analytical Methods	Method	Matrix	Method Descriptions
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	WATER	In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM Schedule B(3)
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Drying only	EN020D	SOIL	In house
1:5 solid / water leach for soluble analytes	EN34	SOIL	10 g of soil is mixed with 50 mL of reagent grade water and tumbled end over end for 1 hour. Water soluble salts are leached from the soil by the continuous suspension. Samples are settled and the water filtered off for analysis.
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3).
Extraction for Phenoxy Acid Herbicides in Soils.	EP202-PR	SOIL	In-House: Alkaline extract followed by SPE clean up of acidified portion of the sample extract.
Sample preparation for Pesticides by LCMSMS	EP234-PR	SOIL	In house
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	ORG17	SOIL	In house: Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
TKN/TP Digestion	EK061/EK067	WATER	In house: Referenced to APHA 4500 Norg - D; APHA 4500 P - H. This method is compliant with NEPM Schedule B(3)
Digestion for Total Recoverable Metals	EN25	WATER	In house: Referenced to USEPA SW846-3005. Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM Schedule B(3)

Preparation Methods	*Method*	*Matrix*	*Method Descriptions*
Separatory Funnel Extraction of Liquids	ORG14	WATER	In house: Referenced to USEPA SW 846 - 3510 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM Schedule B(3) . ALS default excludes sediment which may be resident in the container.
Volatiles Water Preparation	ORG16-W	WATER	A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for purging.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2404961**	Page	: 1 of 42
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 13-Feb-2024 14:15
Order number	: 30018043	Date Analysis Commenced	: 16-Feb-2024
C-O-C number	: ----	Issue Date	: 28-Feb-2024 09:48
Sampler	: JP, PV		
Site	: Rickard Road, Leppington		
Quote number	: EN-111		
No. of samples received	: 30		
No. of samples analysed	: 19		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Ben Felgendrejeris	Senior Acid Sulfate Soil Chemist	Brisbane Acid Sulphate Soils, Stafford, QLD
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP202: Particular samples required dilution due to matrix interferences. LOR values have been adjusted accordingly.
- EP075 (SIM): Where reported, Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20ml or 125ml bottles have been tested in accordance with the QSM5.3 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP074: Where reported, Total Trihalomethanes is the sum of the reported concentrations of all Trihalomethanes at or above the LOR.
- EP074: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP074: Where reported, Sum of chlorinated hydrocarbons includes carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichlorothene, trans-1,2-dichlorothene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, hexachlorobutadiene and methylene chloride.
- EP074: Where reported, Total Trimethylbenzenes is the sum of the reported concentrations of 1.2.3-Trimethylbenzene, 1.2.4-Trimethylbenzene and 1.3.5-Trimethylbenzene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- ASS: EA037 (Rapid Field and F(ox) screening): pH F(ox) Reaction Rate: 1 - Slight; 2 - Moderate; 3 - Strong; 4 - Extreme
- EA037 ASS Field Screening: NATA accreditation does not cover performance of this service.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS (Australian HEPA) and also conform to QSM 5.3 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	SSED01-1	----	----	----	----
			Sampling date / time	07-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2404961-007	--------	--------	--------	--------
				Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**52.4**	----	----	----	----
EP234A: OP Pesticides								
Azinphos-ethyl	2642-71-9	0.005	mg/kg	<0.006	----	----	----	----
Azinphos-methyl	86-50-0	0.005	mg/kg	<0.006	----	----	----	----
Chlorfenvinphos	470-90-6	0.005	mg/kg	<0.006	----	----	----	----
Coumaphos	56-72-4	0.002	mg/kg	<0.003	----	----	----	----
Diazinon	333-41-5	0.002	mg/kg	<0.003	----	----	----	----
Dimethoate	60-51-5	0.004	mg/kg	<0.006	----	----	----	----
Disulfoton	298-04-4	0.01	mg/kg	<0.02	----	----	----	----
Ethoprophos	13194-48-4	0.002	mg/kg	<0.003	----	----	----	----
Fenamiphos	22224-92-6	0.002	mg/kg	<0.003	----	----	----	----
Fenitrothion	122-14-5	0.5	mg/kg	<0.6	----	----	----	----
Fensulfothion	115-90-2	0.005	mg/kg	<0.005	----	----	----	----
Fenthion	55-38-9	0.010	mg/kg	<0.016	----	----	----	----
Malathion	121-75-5	0.005	mg/kg	<0.006	----	----	----	----
^ Mevinphos	7786-34-7	0.005	mg/kg	<0.006	----	----	----	----
Monocrotophos	6923-22-4	0.005	mg/kg	<0.006	----	----	----	----
Omethoate	1113-02-6	0.002	mg/kg	<0.003	----	----	----	----
Parathion	56-38-2	0.05	mg/kg	<0.06	----	----	----	----
Parathion-methyl	298-00-0	0.5	mg/kg	<0.6	----	----	----	----
Phorate	298-02-2	0.02	mg/kg	<0.03	----	----	----	----
Pirimiphos-methyl	29232-93-7	0.002	mg/kg	<0.003	----	----	----	----
Sulfotep	3689-24-5	0.001	mg/kg	<0.002	----	----	----	----
Tetrachlorvinphos	22248-79-9	0.002	mg/kg	<0.003	----	----	----	----
Triazophos	24017-47-8	0.001	mg/kg	<0.002	----	----	----	----
EP234B: Thiocarbamates and Carbamates								
Aldicarb	116-06-3	0.01	mg/kg	<0.02	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SSED01-1	----	----	----	----
				Sampling date / time	07-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-007	--------	--------	--------	--------
					Result	----	----	----	----
EP234B: Thiocarbamates and Carbamates - Continued									
Bendiocarb	22781-23-3	1	mg/kg		<1	----	----	----	----
Benomyl	17804-35-2	0.005	mg/kg		<0.005	----	----	----	----
Carbaryl	63-25-2	0.002	mg/kg		<0.003	----	----	----	----
Carbofuran	1563-66-2	0.002	mg/kg		<0.003	----	----	----	----
3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg		<0.006	----	----	----	----
Methiocarb	2032-65-7	0.002	mg/kg		<0.003	----	----	----	----
Methomyl	16752-77-5	0.002	mg/kg		<0.003	----	----	----	----
Molinate	2212-67-1	0.02	mg/kg		<0.03	----	----	----	----
Oxamyl	23135-22-0	0.002	mg/kg		<0.003	----	----	----	----
Thiobencarb	28249-77-6	0.002	mg/kg		<0.003	----	----	----	----
Thiodicarb	59669-26-0	0.002	mg/kg		<0.003	----	----	----	----
EP234D: Triazinone Herbicides									
Hexazinone	51235-04-2	0.004	mg/kg		<0.006	----	----	----	----
Metribuzin	21087-64-9	0.004	mg/kg		<0.006	----	----	----	----
EP234E: Conazole and Aminopyrimidine Fungicides									
Cyproconazole	94361-06-5	0.004	mg/kg		<0.006	----	----	----	----
Flusilazole	85509-19-9	0.004	mg/kg		<0.006	----	----	----	----
Hexaconazole	79983-71-4	0.004	mg/kg		<0.006	----	----	----	----
Paclobutrazole	76738-62-0	0.01	mg/kg		<0.02	----	----	----	----
Propiconazole	60207-90-1	0.01	mg/kg		<0.02	----	----	----	----
Tebuconazole	107534-96-3	0.002	mg/kg		<0.003	----	----	----	----
Cyprodinil	121552-61-2	0.002	mg/kg		<0.003	----	----	----	----
Pyrimethanil	53112-28-0	0.005	mg/kg		**0.009**	----	----	----	----
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides									
Diuron	330-54-1	0.005	mg/kg		<0.006	----	----	----	----
Fluometuron	2164-17-2	0.002	mg/kg		<0.003	----	----	----	----
Tebuthiuron	34014-18-1	0.005	mg/kg		<0.006	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	SSED01-1	----	----	----	----
				Sampling date / time	07-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-007	--------	--------	--------	--------
					Result	----	----	----	----
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides - Continued									
Bromacil	314-40-9	0.005	mg/kg		<0.006	----	----	----	----
EP234G: Chloracetanilides									
Metolachlor	51218-45-2	0.002	mg/kg		<0.003	----	----	----	----
EP234H: Triazine Herbicides									
Ametryn	834-12-8	0.002	mg/kg		<0.003	----	----	----	----
Atrazine	1912-24-9	0.002	mg/kg		<0.003	----	----	----	----
Cyanazine	21725-46-2	0.005	mg/kg		<0.006	----	----	----	----
Prometryn	7287-19-6	0.002	mg/kg		<0.003	----	----	----	----
Propazine	139-40-2	0.002	mg/kg		<0.003	----	----	----	----
Simazine	122-34-9	0.005	mg/kg		<0.006	----	----	----	----
Terbuthylazine	5915-41-3	0.002	mg/kg		<0.003	----	----	----	----
Terbutryn	886-50-0	0.1	mg/kg		<0.1	----	----	----	----
EP234I: Miscellaneous (ESI Positive Mode) Pesticides									
Fenarimol	60168-88-9	0.005	mg/kg		<0.006	----	----	----	----
Irgarol	28159-98-0	0.001	mg/kg		<0.001	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA02/0.1-1	STP11/0.1-1	STP32/0.1-1	SSED02-1	SHA15/0.1-1
			Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-001	ES2404961-003	ES2404961-004	ES2404961-008	ES2404961-009
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**22.1**	**20.5**	**7.3**	**39.1**	**15.7**
EP234A: OP Pesticides								
Azinphos-ethyl	2642-71-9	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Azinphos-methyl	86-50-0	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorfenvinphos	470-90-6	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Coumaphos	56-72-4	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Diazinon	333-41-5	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Dimethoate	60-51-5	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Disulfoton	298-04-4	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Ethoprophos	13194-48-4	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Fenamiphos	22224-92-6	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Fenitrothion	122-14-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fensulfothion	115-90-2	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Fenthion	55-38-9	0.010	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010
Malathion	121-75-5	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
^ Mevinphos	7786-34-7	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Monocrotophos	6923-22-4	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Omethoate	1113-02-6	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Parathion	56-38-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phorate	298-02-2	0.02	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02
Pirimiphos-methyl	29232-93-7	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Sulfotep	3689-24-5	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachlorvinphos	22248-79-9	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Triazophos	24017-47-8	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
EP234B: Thiocarbamates and Carbamates								
Aldicarb	116-06-3	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA02/0.1-1	STP11/0.1-1	STP32/0.1-1	SSED02-1	SHA15/0.1-1
			Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-001	ES2404961-003	ES2404961-004	ES2404961-008	ES2404961-009
				Result	Result	Result	Result	Result
EP234B: Thiocarbamates and Carbamates - Continued								
Bendiocarb	22781-23-3	1	mg/kg	<1	<1	<1	<1	<1
Benomyl	17804-35-2	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Carbaryl	63-25-2	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Carbofuran	1563-66-2	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Methiocarb	2032-65-7	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Methomyl	16752-77-5	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Molinate	2212-67-1	0.02	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02
Oxamyl	23135-22-0	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Thiobencarb	28249-77-6	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Thiodicarb	59669-26-0	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
EP234D: Triazinone Herbicides								
Hexazinone	51235-04-2	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Metribuzin	21087-64-9	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
EP234E: Conazole and Aminopyrimidine Fungicides								
Cyproconazole	94361-06-5	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Flusilazole	85509-19-9	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Hexaconazole	79983-71-4	0.004	mg/kg	<0.004	<0.004	<0.004	<0.004	<0.004
Paclobutrazole	76738-62-0	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Propiconazole	60207-90-1	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Tebuconazole	107534-96-3	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Cyprodinil	121552-61-2	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Pyrimethanil	53112-28-0	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides								
Diuron	330-54-1	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005
Fluometuron	2164-17-2	0.002	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002
Tebuthiuron	34014-18-1	0.005	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SHA02/0.1-1	STP11/0.1-1	STP32/0.1-1	SSED02-1	SHA15/0.1-1
				Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-001	ES2404961-003	ES2404961-004	ES2404961-008	ES2404961-009
					Result	Result	Result	Result	Result
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides - Continued									
Bromacil	314-40-9	0.005	mg/kg		<0.005	<0.005	<0.005	<0.005	<0.005
EP234G: Chloracetanilides									
Metolachlor	51218-45-2	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
EP234H: Triazine Herbicides									
Ametryn	834-12-8	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
Atrazine	1912-24-9	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
Cyanazine	21725-46-2	0.005	mg/kg		<0.005	<0.005	<0.005	<0.005	<0.005
Prometryn	7287-19-6	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
Propazine	139-40-2	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
Simazine	122-34-9	0.005	mg/kg		<0.005	<0.005	<0.005	<0.005	<0.005
Terbuthylazine	5915-41-3	0.002	mg/kg		<0.002	<0.002	<0.002	<0.002	<0.002
Terbutryn	886-50-0	0.1	mg/kg		<0.1	<0.1	<0.1	<0.1	<0.1
EP234I: Miscellaneous (ESI Positive Mode) Pesticides									
Fenarimol	60168-88-9	0.005	mg/kg		<0.005	<0.005	<0.005	<0.005	<0.005
Irgarol	28159-98-0	0.001	mg/kg		<0.001	<0.001	<0.001	<0.001	<0.001

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
				Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**31.6**	**----**	**----**	**----**	**----**
Moisture Content	----	1.0	%		**----**	**15.4**	**26.4**	**21.6**	**15.2**
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		**----**	**----**	**6**	<5	<5
Cadmium	7440-43-9	1	mg/kg		**----**	**----**	<1	<1	<1
Chromium	7440-47-3	2	mg/kg		**----**	**----**	**23**	**23**	**11**
Copper	7440-50-8	5	mg/kg		**----**	**----**	**31**	**23**	**9**
Lead	7439-92-1	5	mg/kg		**----**	**----**	**26**	**26**	**12**
Nickel	7440-02-0	2	mg/kg		**----**	**----**	**12**	**21**	**4**
Zinc	7440-66-6	5	mg/kg		**----**	**----**	**64**	**60**	**44**
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		**----**	**----**	<0.1	<0.1	<0.1
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		**----**	<0.1	<0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
^ Total Chlordane (sum)	----	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg		**----**	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
Dieldrin	60-57-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
4.4`-DDT	50-29-3	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	----	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP068B: Organophosphorus Pesticides (OP) - Continued								
Chlorfenvinphos	470-90-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	----	<0.05	<0.05	<0.05	<0.05
EP074A: Monocyclic Aromatic Hydrocarbons								
Styrene	100-42-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Isopropylbenzene	98-82-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
n-Propylbenzene	103-65-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
sec-Butylbenzene	135-98-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
p-Isopropyltoluene	99-87-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
n-Butylbenzene	104-51-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP074B: Oxygenated Compounds								
Vinyl Acetate	108-05-4	5	mg/kg	----	----	<5	<5	<5
2-Butanone (MEK)	78-93-3	5	mg/kg	----	----	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	----	----	<5	<5	<5
2-Hexanone (MBK)	591-78-6	5	mg/kg	----	----	<5	<5	<5
EP074C: Sulfonated Compounds								
Carbon disulfide	75-15-0	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2-Dichloropropane	78-87-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	<5	<5	<5
Chloromethane	74-87-3	5	mg/kg	----	----	<5	<5	<5
Vinyl chloride	75-01-4	5	mg/kg	----	----	<5	<5	<5
Bromomethane	74-83-9	5	mg/kg	----	----	<5	<5	<5
Chloroethane	75-00-3	5	mg/kg	----	----	<5	<5	<5
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	<5	<5	<5
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Iodomethane	74-88-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Trichloroethene	79-01-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Dibromomethane	74-95-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP074E: Halogenated Aliphatic Compounds - Continued								
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Pentachloroethane	76-01-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Hexachlorobutadiene	87-68-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Bromobenzene	108-86-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
2-Chlorotoluene	95-49-8	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
4-Chlorotoluene	106-43-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Bromodichloromethane	75-27-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Dibromochloromethane	124-48-1	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Bromoform	75-25-2	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	----	----	<0.5	<0.5	**0.7**
Acenaphthene	83-32-9	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	----	----	<0.5	<0.5	**0.6**
Anthracene	120-12-7	0.5	mg/kg	----	----	<0.5	<0.5	<0.5

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
				Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
					Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Fluoranthene	206-44-0	0.5	mg/kg		----	----	<0.5	<0.5	**0.6**
Pyrene	129-00-0	0.5	mg/kg		----	----	<0.5	<0.5	**1.6**
Benz(a)anthracene	56-55-3	0.5	mg/kg		----	----	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg		----	----	<0.5	<0.5	**0.7**
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg		----	----	<0.5	<0.5	**1.1**
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		----	----	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg		----	----	<0.5	<0.5	**1.2**
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		----	----	<0.5	<0.5	**0.8**
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		----	----	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		----	----	<0.5	<0.5	**1.5**
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg		----	----	<0.5	<0.5	**8.8**
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg		----	----	<0.5	<0.5	**1.4**
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg		----	----	**0.6**	**0.6**	**1.7**
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg		----	----	**1.2**	**1.2**	**2.0**
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		----	----	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg		----	----	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		----	----	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg		----	----	<100	<100	<100
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg		----	----	<50	<50	<50
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		----	----	<10	<10	<10
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg		----	----	<10	<10	<10
>C10 - C16 Fraction	----	50	mg/kg		----	----	<50	<50	<50
>C16 - C34 Fraction	----	100	mg/kg		----	----	<100	<100	<100
>C34 - C40 Fraction	----	100	mg/kg		----	----	<100	<100	<100

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued								
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	----	----	<50	<50	<50
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	----	----	<50	<50	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	----	----	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg	----	----	<0.2	<0.2	<0.2
^ Total Xylenes	----	0.5	mg/kg	----	----	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg	----	----	<1	<1	<1
EP202A: Phenoxyacetic Acid Herbicides by LCMS								
4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
2.4-DB	94-82-6	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Dicamba	1918-00-9	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Mecoprop	93-65-2	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
MCPA	94-74-6	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
2.4-DP	120-36-5	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
2.4-D	94-75-7	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Triclopyr	55335-06-3	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
2.4.5-T	93-76-5	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
MCPB	94-81-5	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Picloram	1918-02-1	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Clopyralid	1702-17-6	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02
Fluroxypyr	69377-81-7	0.02	mg/kg	----	<0.02	<0.04	<0.02	<0.02

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
				Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
					Result	Result	Result	Result	Result
EP234A: OP Pesticides									
Azinphos-ethyl	2642-71-9	0.005	mg/kg		<0.005	----	----	----	----
Azinphos-methyl	86-50-0	0.005	mg/kg		<0.005	----	----	----	----
Chlorfenvinphos	470-90-6	0.005	mg/kg		<0.005	----	----	----	----
Coumaphos	56-72-4	0.002	mg/kg		<0.002	----	----	----	----
Diazinon	333-41-5	0.002	mg/kg		<0.002	----	----	----	----
Dimethoate	60-51-5	0.004	mg/kg		<0.004	----	----	----	----
Disulfoton	298-04-4	0.01	mg/kg		<0.01	----	----	----	----
Ethoprophos	13194-48-4	0.002	mg/kg		<0.002	----	----	----	----
Fenamiphos	22224-92-6	0.002	mg/kg		<0.002	----	----	----	----
Fenitrothion	122-14-5	0.5	mg/kg		<0.5	----	----	----	----
Fensulfothion	115-90-2	0.005	mg/kg		<0.005	----	----	----	----
Fenthion	55-38-9	0.010	mg/kg		<0.010	----	----	----	----
Malathion	121-75-5	0.005	mg/kg		**0.013**	----	----	----	----
^ **Mevinphos**	7786-34-7	0.005	mg/kg		<0.005	----	----	----	----
Monocrotophos	6923-22-4	0.005	mg/kg		<0.005	----	----	----	----
Omethoate	1113-02-6	0.002	mg/kg		<0.002	----	----	----	----
Parathion	56-38-2	0.05	mg/kg		<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.5	mg/kg		<0.5	----	----	----	----
Phorate	298-02-2	0.02	mg/kg		<0.02	----	----	----	----
Pirimiphos-methyl	29232-93-7	0.002	mg/kg		<0.002	----	----	----	----
Sulfotep	3689-24-5	0.001	mg/kg		<0.001	----	----	----	----
Tetrachlorvinphos	22248-79-9	0.002	mg/kg		<0.002	----	----	----	----
Triazophos	24017-47-8	0.001	mg/kg		<0.001	----	----	----	----
EP234B: Thiocarbamates and Carbamates									
Aldicarb	116-06-3	0.01	mg/kg		<0.01	----	----	----	----
Bendiocarb	22781-23-3	1	mg/kg		<1	----	----	----	----
Benomyl	17804-35-2	0.005	mg/kg		<0.005	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP234B: Thiocarbamates and Carbamates - Continued								
Carbaryl	63-25-2	0.002	mg/kg	<0.002	----	----	----	----
Carbofuran	1563-66-2	0.002	mg/kg	<0.002	----	----	----	----
3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg	<0.005	----	----	----	----
Methiocarb	2032-65-7	0.002	mg/kg	<0.002	----	----	----	----
Methomyl	16752-77-5	0.002	mg/kg	**0.029**	----	----	----	----
Molinate	2212-67-1	0.02	mg/kg	<0.02	----	----	----	----
Oxamyl	23135-22-0	0.002	mg/kg	<0.002	----	----	----	----
Thiobencarb	28249-77-6	0.002	mg/kg	<0.002	----	----	----	----
Thiodicarb	59669-26-0	0.002	mg/kg	<0.002	----	----	----	----
EP234D: Triazinone Herbicides								
Hexazinone	51235-04-2	0.004	mg/kg	<0.004	----	----	----	----
Metribuzin	21087-64-9	0.004	mg/kg	<0.004	----	----	----	----
EP234E: Conazole and Aminopyrimidine Fungicides								
Cyproconazole	94361-06-5	0.004	mg/kg	<0.004	----	----	----	----
Flusilazole	85509-19-9	0.004	mg/kg	<0.004	----	----	----	----
Hexaconazole	79983-71-4	0.004	mg/kg	<0.004	----	----	----	----
Paclobutrazole	76738-62-0	0.01	mg/kg	<0.01	----	----	----	----
Propiconazole	60207-90-1	0.01	mg/kg	<0.01	----	----	----	----
Tebuconazole	107534-96-3	0.002	mg/kg	<0.002	----	----	----	----
Cyprodinil	121552-61-2	0.002	mg/kg	<0.002	----	----	----	----
Pyrimethanil	53112-28-0	0.005	mg/kg	<0.005	----	----	----	----
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides								
Diuron	330-54-1	0.005	mg/kg	<0.005	----	----	----	----
Fluometuron	2164-17-2	0.002	mg/kg	<0.002	----	----	----	----
Tebuthiuron	34014-18-1	0.005	mg/kg	<0.005	----	----	----	----
Bromacil	314-40-9	0.005	mg/kg	<0.005	----	----	----	----
EP234G: Chloracetanilides								

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
			Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
				Result	Result	Result	Result	Result
EP234G: Chloracetanilides - Continued								
Metolachlor	51218-45-2	0.002	mg/kg	<0.002	----	----	----	----
EP234H: Triazine Herbicides								
Ametryn	834-12-8	0.002	mg/kg	<0.002	----	----	----	----
Atrazine	1912-24-9	0.002	mg/kg	<0.002	----	----	----	----
Cyanazine	21725-46-2	0.005	mg/kg	<0.005	----	----	----	----
Prometryn	7287-19-6	0.002	mg/kg	<0.002	----	----	----	----
Propazine	139-40-2	0.002	mg/kg	<0.002	----	----	----	----
Simazine	122-34-9	0.005	mg/kg	<0.005	----	----	----	----
Terbuthylazine	5915-41-3	0.002	mg/kg	<0.002	----	----	----	----
Terbutryn	886-50-0	0.1	mg/kg	<0.1	----	----	----	----
EP234I: Miscellaneous (ESI Positive Mode) Pesticides								
Fenarimol	60168-88-9	0.005	mg/kg	<0.005	----	----	----	----
Irgarol	28159-98-0	0.001	mg/kg	<0.001	----	----	----	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	----	116	105	125	87.9
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	----	101	97.7	102	82.8
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	----	113	111	115	80.4
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.5	%	----	----	79.5	81.0	83.9
Toluene-D8	2037-26-5	0.5	%	----	----	84.8	84.7	87.8
4-Bromofluorobenzene	460-00-4	0.5	%	----	----	83.6	82.2	83.6
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	----	----	82.7	80.4	84.9
2-Chlorophenol-D4	93951-73-6	0.5	%	----	----	90.4	87.9	92.9
2.4.6-Tribromophenol	118-79-6	0.5	%	----	----	74.7	64.3	68.3

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SHA03/0.1-1	QA02a	QA03a	QA04a	QA05a
				Sampling date / time	07-Feb-2024 00:00	05-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00	06-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-011	ES2404961-014	ES2404961-015	ES2404961-016	ES2404961-017
					Result	Result	Result	Result	Result
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		----	----	**93.1**	**90.8**	**95.1**
Anthracene-d10	1719-06-8	0.5	%		----	----	**108**	**103**	**109**
4-Terphenyl-d14	1718-51-0	0.5	%		----	----	**106**	**102**	**107**
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		----	----	**82.7**	**84.7**	**87.9**
Toluene-D8	2037-26-5	0.2	%		----	----	**83.6**	**83.5**	**86.4**
4-Bromofluorobenzene	460-00-4	0.2	%		----	----	**89.5**	**88.0**	**88.7**
EP202S: Phenoxyacetic Acid Herbicide Surrogate									
2.4-Dichlorophenyl Acetic Acid	19719-28-9	0.02	%		----	**55.4**	**60.3**	**52.4**	**53.7**

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
			Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
				Result	Result	Result	Result	Result
EA010: Conductivity (1:5)								
Electrical Conductivity @ 25°C	----	1	µS/cm	----	34	36	----	----
EA037: Ass Field Screening Analysis								
ø pH (F)	----	0.1	pH Unit	----	6.2	6.2	----	----
ø pH (Fox)	----	0.1	pH Unit	----	4.9	4.4	----	----
ø Reaction Rate	----	1	-	----	3	3	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	----	15.1	----	----	14.2
Moisture Content	----	1.0	%	19.2	----	21.4	14.7	----
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	----	<0.1	<0.1	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
^ Total Chlordane (sum)	----	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
			Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued								
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	<0.2	<0.2	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	<0.2	<0.2	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	<0.2	<0.2	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	<0.2	<0.2	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	<0.2	<0.2	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	<0.05	<0.05	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	<0.05	<0.05	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
				Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
					Result	Result	Result	Result	Result
EP068B: Organophosphorus Pesticides (OP) - Continued									
Ethion	563-12-2	0.05	mg/kg		<0.05	----	<0.05	<0.05	----
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	----	<0.05	<0.05	----
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	----	<0.05	<0.05	----
EP202A: Phenoxyacetic Acid Herbicides by LCMS									
4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
2.4-DB	94-82-6	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Dicamba	1918-00-9	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Mecoprop	93-65-2	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
MCPA	94-74-6	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
2.4-DP	120-36-5	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
2.4-D	94-75-7	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Triclopyr	55335-06-3	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
2.4.5-T	93-76-5	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
MCPB	94-81-5	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Picloram	1918-02-1	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Clopyralid	1702-17-6	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
Fluroxypyr	69377-81-7	0.02	mg/kg		<0.02	----	<0.04	<0.02	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		----	<0.0002	**0.0006**	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
				Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids - Continued									
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		----	<0.001	<0.001	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		----	<0.0005	<0.0005	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		----	<0.0002	<0.0002	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		----	<0.0005	<0.0005	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		----	<0.0005	<0.0005	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		----	<0.0005	<0.0005	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		----	<0.0005	<0.0005	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		----	<0.0002	<0.0002	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
			Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
				Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	----	<0.0002	<0.0002	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	----	<0.0005	<0.0005	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	----	<0.0005	<0.0005	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	----	<0.0005	<0.0005	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	----	<0.0005	<0.0005	----	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	----	<0.0002	**0.0006**	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	----	<0.0002	**0.0006**	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	----	<0.0002	**0.0006**	----	----
EP234A: OP Pesticides								
Azinphos-ethyl	2642-71-9	0.005	mg/kg	----	----	<0.005	----	<0.005
Azinphos-methyl	86-50-0	0.005	mg/kg	----	----	<0.005	----	<0.005
Chlorfenvinphos	470-90-6	0.005	mg/kg	----	----	<0.005	----	<0.005
Coumaphos	56-72-4	0.002	mg/kg	----	----	<0.002	----	<0.002
Diazinon	333-41-5	0.002	mg/kg	----	----	<0.002	----	<0.002
Dimethoate	60-51-5	0.004	mg/kg	----	----	<0.004	----	<0.004
Disulfoton	298-04-4	0.01	mg/kg	----	----	<0.01	----	<0.01
Ethoprophos	13194-48-4	0.002	mg/kg	----	----	<0.002	----	<0.002
Fenamiphos	22224-92-6	0.002	mg/kg	----	----	<0.002	----	<0.002
Fenitrothion	122-14-5	0.5	mg/kg	----	----	<0.5	----	<0.5
Fensulfothion	115-90-2	0.005	mg/kg	----	----	<0.005	----	<0.005
Fenthion	55-38-9	0.010	mg/kg	----	----	<0.010	----	<0.010

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
				Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
					Result	Result	Result	Result	Result
EP234A: OP Pesticides - Continued									
Malathion	121-75-5	0.005	mg/kg		----	----	<0.005	----	<0.005
^ **Mevinphos**	7786-34-7	0.005	mg/kg		----	----	<0.005	----	<0.005
Monocrotophos	6923-22-4	0.005	mg/kg		----	----	<0.005	----	<0.005
Omethoate	1113-02-6	0.002	mg/kg		----	----	<0.002	----	<0.002
Parathion	56-38-2	0.05	mg/kg		----	----	<0.05	----	<0.05
Parathion-methyl	298-00-0	0.5	mg/kg		----	----	<0.5	----	<0.5
Phorate	298-02-2	0.02	mg/kg		----	----	<0.02	----	<0.02
Pirimiphos-methyl	29232-93-7	0.002	mg/kg		----	----	<0.002	----	<0.002
Sulfotep	3689-24-5	0.001	mg/kg		----	----	<0.001	----	<0.001
Tetrachlorvinphos	22248-79-9	0.002	mg/kg		----	----	<0.002	----	<0.002
Triazophos	24017-47-8	0.001	mg/kg		----	----	<0.001	----	<0.001
EP234B: Thiocarbamates and Carbamates									
Aldicarb	116-06-3	0.01	mg/kg		----	----	<0.01	----	<0.01
Bendiocarb	22781-23-3	1	mg/kg		----	----	<1	----	<1
Benomyl	17804-35-2	0.005	mg/kg		----	----	<0.005	----	<0.005
Carbaryl	63-25-2	0.002	mg/kg		----	----	<0.002	----	<0.002
Carbofuran	1563-66-2	0.002	mg/kg		----	----	<0.002	----	<0.002
3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg		----	----	<0.005	----	<0.005
Methiocarb	2032-65-7	0.002	mg/kg		----	----	<0.002	----	<0.002
Methomyl	16752-77-5	0.002	mg/kg		----	----	<0.002	----	<0.002
Molinate	2212-67-1	0.02	mg/kg		----	----	<0.02	----	<0.02
Oxamyl	23135-22-0	0.002	mg/kg		----	----	<0.002	----	<0.002
Thiobencarb	28249-77-6	0.002	mg/kg		----	----	<0.002	----	<0.002
Thiodicarb	59669-26-0	0.002	mg/kg		----	----	<0.002	----	<0.002
EP234D: Triazinone Herbicides									
Hexazinone	51235-04-2	0.004	mg/kg		----	----	<0.004	----	<0.004
Metribuzin	21087-64-9	0.004	mg/kg		----	----	<0.004	----	<0.004

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
			Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit	ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
				Result	Result	Result	Result	Result
EP234E: Conazole and Aminopyrimidine Fungicides								
Cyproconazole	94361-06-5	0.004	mg/kg	----	----	<0.004	----	<0.004
Flusilazole	85509-19-9	0.004	mg/kg	----	----	<0.004	----	<0.004
Hexaconazole	79983-71-4	0.004	mg/kg	----	----	<0.004	----	<0.004
Paclobutrazole	76738-62-0	0.01	mg/kg	----	----	<0.01	----	<0.01
Propiconazole	60207-90-1	0.01	mg/kg	----	----	<0.01	----	<0.01
Tebuconazole	107534-96-3	0.002	mg/kg	----	----	<0.002	----	<0.002
Cyprodinil	121552-61-2	0.002	mg/kg	----	----	<0.002	----	<0.002
Pyrimethanil	53112-28-0	0.005	mg/kg	----	----	<0.005	----	<0.005
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides								
Diuron	330-54-1	0.005	mg/kg	----	----	<0.005	----	<0.005
Fluometuron	2164-17-2	0.002	mg/kg	----	----	<0.002	----	<0.002
Tebuthiuron	34014-18-1	0.005	mg/kg	----	----	<0.005	----	<0.005
Bromacil	314-40-9	0.005	mg/kg	----	----	<0.005	----	<0.005
EP234G: Chloracetanilides								
Metolachlor	51218-45-2	0.002	mg/kg	----	----	<0.002	----	<0.002
EP234H: Triazine Herbicides								
Ametryn	834-12-8	0.002	mg/kg	----	----	<0.002	----	<0.002
Atrazine	1912-24-9	0.002	mg/kg	----	----	<0.002	----	<0.002
Cyanazine	21725-46-2	0.005	mg/kg	----	----	<0.005	----	<0.005
Prometryn	7287-19-6	0.002	mg/kg	----	----	<0.002	----	<0.002
Propazine	139-40-2	0.002	mg/kg	----	----	<0.002	----	<0.002
Simazine	122-34-9	0.005	mg/kg	----	----	<0.005	----	<0.005
Terbuthylazine	5915-41-3	0.002	mg/kg	----	----	<0.002	----	<0.002
Terbutryn	886-50-0	0.1	mg/kg	----	----	<0.1	----	<0.1
EP234I: Miscellaneous (ESI Positive Mode) Pesticides								
Fenarimol	60168-88-9	0.005	mg/kg	----	----	<0.005	----	<0.005
Irgarol	28159-98-0	0.001	mg/kg	----	----	<0.001	----	<0.001

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA06a	QA07a	QA08a	QA09a	STP01/0.1-1
				Sampling date / time	06-Feb-2024 00:00	07-Feb-2024 00:00	07-Feb-2024 00:00	08-Feb-2024 00:00	07-Feb-2024 00:00
Compound	CAS Number	LOR	Unit		ES2404961-018	ES2404961-019	ES2404961-020	ES2404961-021	ES2404961-023
					Result	Result	Result	Result	Result
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		**94.3**	**----**	**109**	**92.0**	**----**
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		**88.1**	**----**	**80.0**	**81.5**	**----**
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		**89.3**	**----**	**90.1**	**88.1**	**----**
EP202S: Phenoxyacetic Acid Herbicide Surrogate									
2.4-Dichlorophenyl Acetic Acid	19719-28-9	0.02	%		**58.8**	**----**	**56.5**	**52.0**	**----**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**----**	**96.6**	**94.0**	**----**	**----**
13C8-PFOA	----	0.0002	%		**----**	**78.8**	**86.7**	**----**	**----**

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	STP06/0.1-1	STP19/0.1-1	----	----	----
				Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-025	ES2404961-027	--------	--------	--------
					Result	Result	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**17.9**	**12.5**	----	----	----
EP234A: OP Pesticides									
Azinphos-ethyl	2642-71-9	0.005	mg/kg		<0.005	<0.005	----	----	----
Azinphos-methyl	86-50-0	0.005	mg/kg		<0.005	<0.005	----	----	----
Chlorfenvinphos	470-90-6	0.005	mg/kg		<0.005	<0.005	----	----	----
Coumaphos	56-72-4	0.002	mg/kg		<0.002	<0.002	----	----	----
Diazinon	333-41-5	0.002	mg/kg		<0.002	<0.002	----	----	----
Dimethoate	60-51-5	0.004	mg/kg		<0.004	<0.004	----	----	----
Disulfoton	298-04-4	0.01	mg/kg		<0.01	<0.01	----	----	----
Ethoprophos	13194-48-4	0.002	mg/kg		<0.002	<0.002	----	----	----
Fenamiphos	22224-92-6	0.002	mg/kg		<0.002	<0.002	----	----	----
Fenitrothion	122-14-5	0.5	mg/kg		<0.5	<0.5	----	----	----
Fensulfothion	115-90-2	0.005	mg/kg		<0.005	<0.005	----	----	----
Fenthion	55-38-9	0.010	mg/kg		<0.010	<0.010	----	----	----
Malathion	121-75-5	0.005	mg/kg		<0.005	<0.005	----	----	----
^ Mevinphos	7786-34-7	0.005	mg/kg		<0.005	<0.005	----	----	----
Monocrotophos	6923-22-4	0.005	mg/kg		<0.005	<0.005	----	----	----
Omethoate	1113-02-6	0.002	mg/kg		<0.002	<0.002	----	----	----
Parathion	56-38-2	0.05	mg/kg		<0.05	<0.05	----	----	----
Parathion-methyl	298-00-0	0.5	mg/kg		<0.5	<0.5	----	----	----
Phorate	298-02-2	0.02	mg/kg		<0.02	<0.02	----	----	----
Pirimiphos-methyl	29232-93-7	0.002	mg/kg		<0.002	<0.002	----	----	----
Sulfotep	3689-24-5	0.001	mg/kg		<0.001	<0.001	----	----	----
Tetrachlorvinphos	22248-79-9	0.002	mg/kg		<0.002	<0.002	----	----	----
Triazophos	24017-47-8	0.001	mg/kg		<0.001	<0.001	----	----	----
EP234B: Thiocarbamates and Carbamates									
Aldicarb	116-06-3	0.01	mg/kg		<0.01	<0.01	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	STP06/0.1-1	STP19/0.1-1	----	----	----
				Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-025	ES2404961-027	--------	--------	--------
					Result	Result	----	----	----
EP234B: Thiocarbamates and Carbamates - Continued									
Bendiocarb	22781-23-3	1	mg/kg		<1	<1	----	----	----
Benomyl	17804-35-2	0.005	mg/kg		<0.005	<0.005	----	----	----
Carbaryl	63-25-2	0.002	mg/kg		<0.002	<0.002	----	----	----
Carbofuran	1563-66-2	0.002	mg/kg		<0.002	<0.002	----	----	----
3-Hydroxy Carbofuran	16655-82-6	0.005	mg/kg		<0.005	<0.005	----	----	----
Methiocarb	2032-65-7	0.002	mg/kg		<0.002	<0.002	----	----	----
Methomyl	16752-77-5	0.002	mg/kg		<0.002	<0.002	----	----	----
Molinate	2212-67-1	0.02	mg/kg		<0.02	<0.02	----	----	----
Oxamyl	23135-22-0	0.002	mg/kg		<0.002	<0.002	----	----	----
Thiobencarb	28249-77-6	0.002	mg/kg		<0.002	<0.002	----	----	----
Thiodicarb	59669-26-0	0.002	mg/kg		<0.002	<0.002	----	----	----
EP234D: Triazinone Herbicides									
Hexazinone	51235-04-2	0.004	mg/kg		<0.004	<0.004	----	----	----
Metribuzin	21087-64-9	0.004	mg/kg		<0.004	<0.004	----	----	----
EP234E: Conazole and Aminopyrimidine Fungicides									
Cyproconazole	94361-06-5	0.004	mg/kg		<0.004	<0.004	----	----	----
Flusilazole	85509-19-9	0.004	mg/kg		<0.004	<0.004	----	----	----
Hexaconazole	79983-71-4	0.004	mg/kg		<0.004	<0.004	----	----	----
Paclobutrazole	76738-62-0	0.01	mg/kg		<0.01	<0.01	----	----	----
Propiconazole	60207-90-1	0.01	mg/kg		<0.01	<0.01	----	----	----
Tebuconazole	107534-96-3	0.002	mg/kg		<0.002	<0.002	----	----	----
Cyprodinil	121552-61-2	0.002	mg/kg		<0.002	<0.002	----	----	----
Pyrimethanil	53112-28-0	0.005	mg/kg		<0.005	<0.005	----	----	----
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides									
Diuron	330-54-1	0.005	mg/kg		<0.005	<0.005	----	----	----
Fluometuron	2164-17-2	0.002	mg/kg		<0.002	<0.002	----	----	----
Tebuthiuron	34014-18-1	0.005	mg/kg		<0.005	<0.005	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	STP06/0.1-1	STP19/0.1-1	----	----	----
				Sampling date / time	07-Feb-2024 00:00	07-Feb-2024 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-025	ES2404961-027	--------	--------	--------
					Result	Result	----	----	----
EP234F: Phenylurea, Thizdiazolurea, Uracil and Sulfonylurea Herbicides - Continued									
Bromacil	314-40-9	0.005	mg/kg		<0.005	<0.005	----	----	----
EP234G: Chloracetanilides									
Metolachlor	51218-45-2	0.002	mg/kg		<0.002	<0.002	----	----	----
EP234H: Triazine Herbicides									
Ametryn	834-12-8	0.002	mg/kg		<0.002	<0.002	----	----	----
Atrazine	1912-24-9	0.002	mg/kg		<0.002	<0.002	----	----	----
Cyanazine	21725-46-2	0.005	mg/kg		<0.005	<0.005	----	----	----
Prometryn	7287-19-6	0.002	mg/kg		<0.002	<0.002	----	----	----
Propazine	139-40-2	0.002	mg/kg		<0.002	<0.002	----	----	----
Simazine	122-34-9	0.005	mg/kg		<0.005	<0.005	----	----	----
Terbuthylazine	5915-41-3	0.002	mg/kg		<0.002	<0.002	----	----	----
Terbutryn	886-50-0	0.1	mg/kg		<0.1	<0.1	----	----	----
EP234I: Miscellaneous (ESI Positive Mode) Pesticides									
Fenarimol	60168-88-9	0.005	mg/kg		<0.005	<0.005	----	----	----
Irgarol	28159-98-0	0.001	mg/kg		<0.001	<0.001	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EG020T: Total Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L		**0.001**	----	----	----	----
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	----	----	----	----
Chromium	7440-47-3	0.001	mg/L		<0.001	----	----	----	----
Copper	7440-50-8	0.001	mg/L		**0.003**	----	----	----	----
Nickel	7440-02-0	0.001	mg/L		**0.003**	----	----	----	----
Lead	7439-92-1	0.001	mg/L		<0.001	----	----	----	----
Zinc	7440-66-6	0.005	mg/L		**0.016**	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	----	----	----	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		**0.01**	----	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		**4.6**	----	----	----	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ **Total Nitrogen as N**	----	0.1	mg/L		**4.6**	----	----	----	----
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		**8.16**	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
^ **Total Polychlorinated biphenyls**	----	1	µg/L		<1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L		<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L		<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	µg/L		<0.5	----	----	----	----
gamma-BHC	58-89-9	0.5	µg/L		<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	µg/L		<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	µg/L		<0.5	----	----	----	----
Aldrin	309-00-2	0.5	µg/L		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
Heptachlor epoxide	1024-57-3	0.5	µg/L		<0.5	----	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L		<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L		<0.5	----	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L		<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDE	72-55-9	0.5	µg/L		<0.5	----	----	----	----
Endrin	72-20-8	0.5	µg/L		<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDD	72-54-8	0.5	µg/L		<0.5	----	----	----	----
Endrin aldehyde	7421-93-4	0.5	µg/L		<0.5	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDT	50-29-3	2.0	µg/L		<2.0	----	----	----	----
Endrin ketone	53494-70-5	0.5	µg/L		<0.5	----	----	----	----
Methoxychlor	72-43-5	2.0	µg/L		<2.0	----	----	----	----
^ **Total Chlordane (sum)**	----	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.5	µg/L		<0.5	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L		<0.5	----	----	----	----
Demeton-S-methyl	919-86-8	0.5	µg/L		<0.5	----	----	----	----
Monocrotophos	6923-22-4	2.0	µg/L		<2.0	----	----	----	----
Dimethoate	60-51-5	0.5	µg/L		<0.5	----	----	----	----
Diazinon	333-41-5	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L		<0.5	----	----	----	----
Parathion-methyl	298-00-0	2.0	µg/L		<2.0	----	----	----	----
Malathion	121-75-5	0.5	µg/L		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued									
Fenthion	55-38-9	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	µg/L		<0.5	----	----	----	----
Parathion	56-38-2	2.0	µg/L		<2.0	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	µg/L		<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	µg/L		<0.5	----	----	----	----
Bromophos-ethyl	4824-78-6	0.5	µg/L		<0.5	----	----	----	----
Fenamiphos	22224-92-6	0.5	µg/L		<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	µg/L		<0.5	----	----	----	----
Ethion	563-12-2	0.5	µg/L		<0.5	----	----	----	----
Carbophenothion	786-19-6	0.5	µg/L		<0.5	----	----	----	----
Azinphos Methyl	86-50-0	0.5	µg/L		<0.5	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	5	µg/L		<5	----	----	----	----
Isopropylbenzene	98-82-8	5	µg/L		<5	----	----	----	----
n-Propylbenzene	103-65-1	5	µg/L		<5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	5	µg/L		<5	----	----	----	----
sec-Butylbenzene	135-98-8	5	µg/L		<5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	5	µg/L		<5	----	----	----	----
tert-Butylbenzene	98-06-6	5	µg/L		<5	----	----	----	----
p-Isopropyltoluene	99-87-6	5	µg/L		<5	----	----	----	----
n-Butylbenzene	104-51-8	5	µg/L		<5	----	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	50	µg/L		<50	----	----	----	----
2-Butanone (MEK)	78-93-3	50	µg/L		<50	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L		<50	----	----	----	----
2-Hexanone (MBK)	591-78-6	50	µg/L		<50	----	----	----	----
EP074C: Sulfonated Compounds									

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP074C: Sulfonated Compounds - Continued									
Carbon disulfide	75-15-0	5	µg/L		<5	----	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	5	µg/L		<5	----	----	----	----
1.2-Dichloropropane	78-87-5	5	µg/L		<5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	5	µg/L		<5	----	----	----	----
trans-1.3-Dichloropropylene	10061-02-6	5	µg/L		<5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	5	µg/L		<5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	50	µg/L		<50	----	----	----	----
Chloromethane	74-87-3	50	µg/L		<50	----	----	----	----
Vinyl chloride	75-01-4	50	µg/L		<50	----	----	----	----
Bromomethane	74-83-9	50	µg/L		<50	----	----	----	----
Chloroethane	75-00-3	50	µg/L		<50	----	----	----	----
Trichlorofluoromethane	75-69-4	50	µg/L		<50	----	----	----	----
1.1-Dichloroethene	75-35-4	5	µg/L		<5	----	----	----	----
Iodomethane	74-88-4	5	µg/L		<5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	5	µg/L		<5	----	----	----	----
1.1-Dichloroethane	75-34-3	5	µg/L		<5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	5	µg/L		<5	----	----	----	----
1.1.1-Trichloroethane	71-55-6	5	µg/L		<5	----	----	----	----
1.1-Dichloropropylene	563-58-6	5	µg/L		<5	----	----	----	----
Carbon Tetrachloride	56-23-5	5	µg/L		<5	----	----	----	----
1.2-Dichloroethane	107-06-2	5	µg/L		<5	----	----	----	----
Trichloroethene	79-01-6	5	µg/L		<5	----	----	----	----
Dibromomethane	74-95-3	5	µg/L		<5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	5	µg/L		<5	----	----	----	----
1.3-Dichloropropane	142-28-9	5	µg/L		<5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
Tetrachloroethene	127-18-4	5	µg/L		<5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L		<5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L		<5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L		<5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L		<5	----	----	----	----
1.2.3-Trichloropropane	96-18-4	5	µg/L		<5	----	----	----	----
Pentachloroethane	76-01-7	5	µg/L		<5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L		<5	----	----	----	----
Hexachlorobutadiene	87-68-3	5	µg/L		<5	----	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	5	µg/L		<5	----	----	----	----
Bromobenzene	108-86-1	5	µg/L		<5	----	----	----	----
2-Chlorotoluene	95-49-8	5	µg/L		<5	----	----	----	----
4-Chlorotoluene	106-43-4	5	µg/L		<5	----	----	----	----
1.3-Dichlorobenzene	541-73-1	5	µg/L		<5	----	----	----	----
1.4-Dichlorobenzene	106-46-7	5	µg/L		<5	----	----	----	----
1.2-Dichlorobenzene	95-50-1	5	µg/L		<5	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	5	µg/L		<5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	5	µg/L		<5	----	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	5	µg/L		<5	----	----	----	----
Bromodichloromethane	75-27-4	5	µg/L		<5	----	----	----	----
Dibromochloromethane	124-48-1	5	µg/L		<5	----	----	----	----
Bromoform	75-25-2	5	µg/L		<5	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1.0	µg/L		<1.0	----	----	----	----
Acenaphthylene	208-96-8	1.0	µg/L		<1.0	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Acenaphthene	83-32-9	1.0	µg/L		<1.0	----	----	----	----
Fluorene	86-73-7	1.0	µg/L		<1.0	----	----	----	----
Phenanthrene	85-01-8	1.0	µg/L		<1.0	----	----	----	----
Anthracene	120-12-7	1.0	µg/L		<1.0	----	----	----	----
Fluoranthene	206-44-0	1.0	µg/L		<1.0	----	----	----	----
Pyrene	129-00-0	1.0	µg/L		<1.0	----	----	----	----
Benz(a)anthracene	56-55-3	1.0	µg/L		<1.0	----	----	----	----
Chrysene	218-01-9	1.0	µg/L		<1.0	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1.0	µg/L		<1.0	----	----	----	----
Benzo(k)fluoranthene	207-08-9	1.0	µg/L		<1.0	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	µg/L		<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	1.0	µg/L		<1.0	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	1.0	µg/L		<1.0	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	1.0	µg/L		<1.0	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	µg/L		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	µg/L		<0.5	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L		<20	----	----	----	----
C10 - C14 Fraction	----	50	µg/L		<50	----	----	----	----
C15 - C28 Fraction	----	100	µg/L		<100	----	----	----	----
C29 - C36 Fraction	----	50	µg/L		<50	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	µg/L		<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	20	µg/L		<20	----	----	----	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	20	µg/L		<20	----	----	----	----
>C10 - C16 Fraction	----	100	µg/L		<100	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued									
>C16 - C34 Fraction	----	100	µg/L		<100	----	----	----	----
>C34 - C40 Fraction	----	100	µg/L		<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	100	µg/L		<100	----	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	100	µg/L		<100	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	1	µg/L		<1	----	----	----	----
Toluene	108-88-3	2	µg/L		<2	----	----	----	----
Ethylbenzene	100-41-4	2	µg/L		<2	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	----	----	----	----
ortho-Xylene	95-47-6	2	µg/L		<2	----	----	----	----
^ **Total Xylenes**	----	2	µg/L		<2	----	----	----	----
^ **Sum of BTEX**	----	1	µg/L		<1	----	----	----	----
Naphthalene	91-20-3	5	µg/L		<5	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.05**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.06**	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids - Continued									
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued									
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.11**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.11**	----	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	1	%		**102**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%		**97.8**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%		**104**	----	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	5	%		**112**	----	----	----	----
Toluene-D8	2037-26-5	5	%		**111**	----	----	----	----
4-Bromofluorobenzene	460-00-4	5	%		**115**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1.0	%		**26.7**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	1.0	%		**65.0**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	1.0	%		**63.5**	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1.0	%		**72.0**	----	----	----	----
Anthracene-d10	1719-06-8	1.0	%		**85.9**	----	----	----	----
4-Terphenyl-d14	1718-51-0	1.0	%		**82.9**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	2	%		**94.4**	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA10a	----	----	----	----
				Sampling date / time	08-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2404961-022	--------	--------	--------	--------
					Result	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates - Continued									
Toluene-D8	2037-26-5	2	%		**112**	**----**	**----**	**----**	**----**
4-Bromofluorobenzene	460-00-4	2	%		**127**	**----**	**----**	**----**	**----**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**87.2**	**----**	**----**	**----**	**----**
13C8-PFOA	----	0.02	%		**103**	**----**	**----**	**----**	**----**

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	64	130
Toluene-D8	2037-26-5	66	136
4-Bromofluorobenzene	460-00-4	60	122
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	63	125
Toluene-D8	2037-26-5	67	124
4-Bromofluorobenzene	460-00-4	66	131
EP202S: Phenoxyacetic Acid Herbicide Surrogate			
2.4-Dichlorophenyl Acetic Acid	19719-28-9	45	139
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	45	134
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	50	150
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	50	150
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	78	133

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP074S: VOC Surrogates - Continued			
Toluene-D8	2037-26-5	79	129
4-Bromofluorobenzene	460-00-4	81	124
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	10	44
2-Chlorophenol-D4	93951-73-6	14	94
2.4.6-Tribromophenol	118-79-6	17	125
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	20	104
Anthracene-d10	1719-06-8	27	113
4-Terphenyl-d14	1718-51-0	32	112
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	72	143
Toluene-D8	2037-26-5	75	131
4-Bromofluorobenzene	460-00-4	73	137
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Inter-Laboratory Testing

Analysis conducted by ALS Brisbane, NATA accreditation no. 825, site no. 818 (Chemistry) 18958 (Biology).

(SOIL) EA037: Ass Field Screening Analysis

SMEC
Member of the Surbana Jurong Group

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	-
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 156 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	-
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	9/02/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

SAMPLE DETAILS						ANALYSIS REQUIRED																			
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pH and pHfox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	*FORWARD TO ALS*	Notes
	SMW01	24/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	8		X	X	X						X											
	SMW03	24/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	8		X	X	X						X											
	PFAS Blank02	24/02/2024	Water	1x PFAS Bottle	1										X											
	Water Trip Blank 3	24/02/2024	Water	1x Vial	1																			X		
	Water Trip Blank 4	24/02/2024	Water	1x Vial	1																			X		
	Water Trip Spike 3	24/02/2024	Water	1x Vial	1																			X		
	Water Trip Spike 4	24/02/2024	Water	1x Vial	1																			X		
	QA11	24/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	8		X	X	X						X											
	QA11a	24/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	8		X	X	X						X										X	***PLEASE FORWARD SAMPLE TO ALS***
	Rinsate03	24/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	8		X	X	X						X											
				TOTAL	45	0	5	5	5	0	0	0	0	0	6	0	0	0	0	0	0	0	0	4	1	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

eurofins | Environment Testing

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

Eurofins ARL Pty Ltd

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NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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

Sample Receipt Advice

Company name:	SMEC Australia Pty Ltd (SYD)
Contact name:	Steven Shaw
Project name:	LEPPINGTON - ADJACENT LOTS
Project ID:	30018043
Turnaround time:	5 Day
Date/Time received	Feb 27, 2024 7:02 PM
Eurofins reference	1073004

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 2.1 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✓	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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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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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1073004
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 27, 2024 7:02 PM
Due: Mar 5, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Eurofins Suite B15	Eurofins Suite B8	Eurofins Suite B8 (filtered metals)	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254										X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	SMW01	Feb 24, 2024		Water	S24-Fe0069970	X		X		X	X	
2	SMW03	Feb 24, 2024		Water	S24-Fe0069971	X		X		X	X	
3	PFAS BLANK02	Feb 24, 2024		Water	S24-Fe0069972						X	
4	WATER TRIP BLANK 3	Jan 25, 2024		Water	S24-Fe0069973				X			
5	WATER TRIP BLANK 4	Jan 25, 2024		Water	S24-Fe0069974				X			
6	WATER TRIP SPIKE 3	Jan 25, 2024		Water	S24-Fe0069975							X
7	WATER TRIP SPIKE 4	Jan 25, 2024		Water	S24-Fe0069976							X
8	QA11	Feb 24, 2024		Water	S24-Fe0069977	X		X		X	X	
9	RINSATE03	Feb 24, 2024		Water	S24-Fe0069978	X	X			X	X	

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

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1073004
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 27, 2024 7:02 PM
Due: Mar 5, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Eurofins Suite B15	Eurofins Suite B8	Eurofins Suite B8 (filtered metals)	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254					X		
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X
Test Counts	4	1	3	2	4	5	2

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1073004-W**
Project name LEPPINGTON - ADJACENT LOTS
Project ID 30018043
Received Date Feb 27, 2024

Client Sample ID			**SMW01**	**SMW03**	**PFAS BLANK02**	**WATER TRIP BLANK 3**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S24-Fe0069970**	**S24-Fe0069971**	**S24-Fe0069972**	**S24-Fe0069973**
Date Sampled			**Feb 24, 2024**	**Feb 24, 2024**	**Feb 24, 2024**	**Jan 25, 2024**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	0.19	-	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	-	-
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C6-C10	0.02	mg/L	< 0.02	0.19	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	0.06	-	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	-	-
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	-	-
2-Propanone (Acetone)	0.005	mg/L	< 0.005	0.023	-	-
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	-	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	-	-
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	-	-
Benzene	0.001	mg/L	< 0.001	< 0.001	-	-

Client Sample ID			SMW01	SMW03	PFAS BLANK02	WATER TRIP BLANK 3
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069970	S24-Fe0069971	S24-Fe0069972	S24-Fe0069973
Date Sampled			Feb 24, 2024	Feb 24, 2024	Feb 24, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Bromoform	0.001	mg/L	< 0.001	< 0.001	-	-
Bromomethane	0.005	mg/L	< 0.005	< 0.005	-	-
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	-	-
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	-	-
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Chloroethane	0.005	mg/L	< 0.005	< 0.005	-	-
Chloroform	0.005	mg/L	< 0.005	< 0.005	-	-
Chloromethane	0.005	mg/L	< 0.005	< 0.005	-	-
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Iodomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	0.005	-	-
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	-	-
o-Xylene	0.001	mg/L	< 0.001	0.001	-	-
Styrene	0.001	mg/L	< 0.001	< 0.001	-	-
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Toluene	0.001	mg/L	< 0.001	0.12	-	-
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	-	-
Xylenes - Total*	0.003	mg/L	< 0.003	0.006	-	-
Total MAH*	0.003	mg/L	< 0.003	0.126	-	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	-	-
4-Bromofluorobenzene (surr.)	1	%	98	102	-	-
Toluene-d8 (surr.)	1	%	95	107	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	-	-
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	-	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	-	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	-	-
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	-	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	-	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	-	-

Client Sample ID			SMW01	SMW03	PFAS BLANK02	WATER TRIP BLANK 3
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069970	S24-Fe0069971	S24-Fe0069972	S24-Fe0069973
Date Sampled			Feb 24, 2024	Feb 24, 2024	Feb 24, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	-	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	-	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	-	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	-	-
Total PAH*	0.001	mg/L	< 0.001	< 0.001	-	-
2-Fluorobiphenyl (surr.)	1	%	90	67	-	-
p-Terphenyl-d14 (surr.)	1	%	INT	77	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	-	-
4.4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	-	-
4.4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	-	-
4.4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	-	-
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
d-HCH	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	-	-
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Toxaphene	0.005	mg/L	< 0.005	< 0.005	-	-
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	-
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	-	-
Dibutylchlorendate (surr.)	1	%	INT	111	-	-
Tetrachloro-m-xylene (surr.)	1	%	INT	84	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	-	-
Bolstar	0.002	mg/L	< 0.002	< 0.002	-	-
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	-	-
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	-	-
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	-	-
Coumaphos	0.02	mg/L	< 0.02	< 0.02	-	-
Demeton-S	0.002	mg/L	< 0.002	< 0.002	-	-
Demeton-O	0.002	mg/L	< 0.002	< 0.002	-	-
Diazinon	0.002	mg/L	< 0.002	< 0.002	-	-
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	-	-
Dimethoate	0.002	mg/L	< 0.002	< 0.002	-	-

Client Sample ID			SMW01	SMW03	PFAS BLANK02	WATER TRIP BLANK 3
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069970	S24-Fe0069971	S24-Fe0069972	S24-Fe0069973
Date Sampled			Feb 24, 2024	Feb 24, 2024	Feb 24, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Disulfoton	0.002	mg/L	< 0.002	< 0.002	-	-
EPN	0.002	mg/L	< 0.002	< 0.002	-	-
Ethion	0.002	mg/L	< 0.002	< 0.002	-	-
Ethoprop	0.002	mg/L	< 0.002	< 0.002	-	-
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	-	-
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	-	-
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	-	-
Fenthion	0.002	mg/L	< 0.002	< 0.002	-	-
Malathion	0.002	mg/L	< 0.002	< 0.002	-	-
Merphos	0.002	mg/L	< 0.002	< 0.002	-	-
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	-	-
Mevinphos	0.002	mg/L	< 0.002	0.002	-	-
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	-	-
Naled	0.002	mg/L	< 0.002	< 0.002	-	-
Omethoate	0.02	mg/L	< 0.02	< 0.02	-	-
Phorate	0.002	mg/L	< 0.002	< 0.002	-	-
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	-	-
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	-	-
Ronnel	0.002	mg/L	< 0.002	< 0.002	-	-
Terbufos	0.002	mg/L	< 0.002	< 0.002	-	-
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	-	-
Tokuthion	0.002	mg/L	< 0.002	< 0.002	-	-
Trichloronate	0.002	mg/L	< 0.002	< 0.002	-	-
Triphenylphosphate (surr.)	1	%	INT	101	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	-	-
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	-	-
Total PCB*	0.005	mg/L	< 0.005	< 0.005	-	-
Dibutylchlorendate (surr.)	1	%	INT	111	-	-
Tetrachloro-m-xylene (surr.)	1	%	INT	84	-	-
Nitrate & Nitrite (as N)	0.05	mg/L	0.72	< 0.05	-	-
Nitrate (as N)	0.02	mg/L	0.68	< 0.02	-	-
Nitrite (as N)	0.02	mg/L	0.04	< 0.02	-	-
Phosphate total (as P)	0.01	mg/L	0.10	2.2	-	-
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	2.2	37	-	-
Total Nitrogen (as N)*	0.1	mg/L	2.9	37	-	-
Naphthalene[N02]	0.01	mg/L	-	-	-	< 0.01
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	0.018	0.010	-	-
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Chromium (filtered)	0.001	mg/L	< 0.001	0.005	-	-
Copper (filtered)	0.001	mg/L	0.005	0.004	-	-
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	-	-

Client Sample ID			SMW01	SMW03	PFAS BLANK02	WATER TRIP BLANK 3
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069970	S24-Fe0069971	S24-Fe0069972	S24-Fe0069973
Date Sampled			Feb 24, 2024	Feb 24, 2024	Feb 24, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	-	-
Nickel (filtered)	0.001	mg/L	0.022	0.055	-	-
Zinc (filtered)	0.005	mg/L	0.056	0.023	-	-
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	< 0.05	0.14	< 0.05	-
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	< 0.01	0.20	< 0.01	-
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	< 0.01	0.18	< 0.01	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01	[N09]0.01	< 0.01	-
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	< 0.01	0.01	< 0.01	-
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C4-PFBA (surr.)	1	%	100	86	123	-
13C5-PFPeA (surr.)	1	%	116	76	149	-
13C5-PFHxA (surr.)	1	%	120	108	159	-
13C4-PFHpA (surr.)	1	%	100	120	161	-
13C8-PFOA (surr.)	1	%	107	128	182	-
13C5-PFNA (surr.)	1	%	109	134	171	-
13C6-PFDA (surr.)	1	%	96	126	159	-
13C2-PFUnDA (surr.)	1	%	91	114	195	-
13C2-PFDoDA (surr.)	1	%	88	66	199	-
13C2-PFTeDA (surr.)	1	%	78	26	199	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
13C8-FOSA (surr.)	1	%	90	99	98	-
D3-N-MeFOSA (surr.)	1	%	93	71	79	-
D5-N-EtFOSA (surr.)	1	%	99	77	84	-
D7-N-MeFOSE (surr.)	1	%	80	62	79	-
D9-N-EtFOSE (surr.)	1	%	85	55	72	-
D5-N-EtFOSAA (surr.)	1	%	84	83	190	-
D3-N-MeFOSAA (surr.)	1	%	100	100	163	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	< 0.01	0.01	< 0.01	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-

Client Sample ID			SMW01	SMW03	PFAS BLANK02	WATER TRIP BLANK 3
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069970	S24-Fe0069971	S24-Fe0069972	S24-Fe0069973
Date Sampled			Feb 24, 2024	Feb 24, 2024	Feb 24, 2024	Jan 25, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C3-PFBS (surr.)	1	%	129	131	170	-
18O2-PFHxS (surr.)	1	%	113	131	INT	-
13C8-PFOS (surr.)	1	%	99	114	INT	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05	< 0.05	< 0.05	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
13C2-4:2 FTSA (surr.)	1	%	118	INT	126	-
13C2-6:2 FTSA (surr.)	1	%	108	INT	169	-
13C2-8:2 FTSA (surr.)	1	%	142	INT	INT	-
13C2-10:2 FTSA (surr.)	1	%	102	80	136	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	-
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01	0.01	< 0.01	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01	0.01	< 0.01	-
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	< 0.05	0.55	< 0.05	-
Sum of PFASs (n=30)*	0.1	ug/L	< 0.1	0.55	< 0.1	-
BTEX						
Benzene	0.001	mg/L	-	-	-	< 0.001
Toluene	0.001	mg/L	-	-	-	< 0.001
Ethylbenzene	0.001	mg/L	-	-	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	-	-	< 0.002
o-Xylene	0.001	mg/L	-	-	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	-	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	-	-	65

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	-	-	< 0.02
TRH C10-C14	0.05	mg/L	-	-	-	0.76
TRH C15-C28	0.1	mg/L	-	-	-	1.5
TRH C29-C36	0.1	mg/L	-	-	-	0.2
TRH C10-C36 (Total)	0.1	mg/L	-	-	-	2.46
TRH C6-C10	0.02	mg/L	< 0.02	-	-	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	-	-	< 0.02

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C10-C16	0.05	mg/L	-	-	-	0.94
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	-	-	-	0.94
TRH >C16-C34	0.1	mg/L	-	-	-	1.4
TRH >C34-C40	0.1	mg/L	-	-	-	0.1
TRH >C10-C40 (total)*	0.1	mg/L	-	-	-	2.44
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	-	-	-	< 0.001
1.1-Dichloroethene	0.001	mg/L	-	-	-	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	-	-	-	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	-	-	-	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	-	-	-	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	-	-	-	< 0.001
1.2-Dibromoethane	0.001	mg/L	-	-	-	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	-	-	-	< 0.001
1.2-Dichloroethane	0.001	mg/L	-	-	-	< 0.001
1.2-Dichloropropane	0.001	mg/L	-	-	-	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	-	-	-	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	-	-	-	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	-	-	-	< 0.001
1.3-Dichloropropane	0.001	mg/L	-	-	-	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	-	-	-	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	-	-	-	< 0.001
2-Butanone (MEK)	0.005	mg/L	-	-	-	< 0.005
2-Propanone (Acetone)	0.005	mg/L	-	-	-	< 0.005
4-Chlorotoluene	0.001	mg/L	-	-	-	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	-	-	-	< 0.005
Allyl chloride	0.001	mg/L	-	-	-	< 0.001
Benzene	0.001	mg/L	-	-	-	< 0.001
Bromobenzene	0.001	mg/L	-	-	-	< 0.001
Bromochloromethane	0.001	mg/L	-	-	-	< 0.001
Bromodichloromethane	0.001	mg/L	-	-	-	< 0.001
Bromoform	0.001	mg/L	-	-	-	< 0.001
Bromomethane	0.005	mg/L	-	-	-	< 0.005
Carbon disulfide	0.001	mg/L	-	-	-	< 0.001
Carbon Tetrachloride	0.001	mg/L	-	-	-	< 0.001
Chlorobenzene	0.001	mg/L	-	-	-	< 0.001
Chloroethane	0.005	mg/L	-	-	-	< 0.005
Chloroform	0.005	mg/L	-	-	-	< 0.005
Chloromethane	0.005	mg/L	-	-	-	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	-	-	-	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	-	-	-	< 0.001
Dibromochloromethane	0.001	mg/L	-	-	-	< 0.001
Dibromomethane	0.001	mg/L	-	-	-	< 0.001
Dichlorodifluoromethane	0.005	mg/L	-	-	-	< 0.005
Ethylbenzene	0.001	mg/L	-	-	-	< 0.001
Iodomethane	0.001	mg/L	-	-	-	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	-	-	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	-	-	< 0.002
Methylene Chloride	0.005	mg/L	-	-	-	< 0.005

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
o-Xylene	0.001	mg/L	-	-	-	< 0.001
Styrene	0.001	mg/L	-	-	-	< 0.001
Tetrachloroethene	0.001	mg/L	-	-	-	< 0.001
Toluene	0.001	mg/L	-	-	-	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	-	-	-	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	-	-	-	< 0.001
Trichloroethene	0.001	mg/L	-	-	-	< 0.001
Trichlorofluoromethane	0.005	mg/L	-	-	-	< 0.005
Vinyl chloride	0.005	mg/L	-	-	-	< 0.005
Xylenes - Total*	0.003	mg/L	-	-	-	< 0.003
Total MAH*	0.003	mg/L	-	-	-	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	-	-	-	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	-	-	-	< 0.005
4-Bromofluorobenzene (surr.)	1	%	-	-	-	100
Toluene-d8 (surr.)	1	%	-	-	-	96
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	-	-	-	< 0.01
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	-	-	-	< 0.001
Acenaphthylene	0.001	mg/L	-	-	-	< 0.001
Anthracene	0.001	mg/L	-	-	-	< 0.001
Benz(a)anthracene	0.001	mg/L	-	-	-	< 0.001
Benzo(a)pyrene	0.001	mg/L	-	-	-	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	-	-	-	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	-	-	-	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	-	-	-	< 0.001
Chrysene	0.001	mg/L	-	-	-	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	-	-	-	< 0.001
Fluoranthene	0.001	mg/L	-	-	-	< 0.001
Fluorene	0.001	mg/L	-	-	-	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	-	-	-	< 0.001
Naphthalene	0.001	mg/L	-	-	-	< 0.001
Phenanthrene	0.001	mg/L	-	-	-	< 0.001
Pyrene	0.001	mg/L	-	-	-	< 0.001
Total PAH*	0.001	mg/L	-	-	-	< 0.001
2-Fluorobiphenyl (surr.)	1	%	-	-	-	60
p-Terphenyl-d14 (surr.)	1	%	-	-	-	115
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	-	-	-	< 0.002
4.4'-DDD	0.0002	mg/L	-	-	-	< 0.0002
4.4'-DDE	0.0002	mg/L	-	-	-	< 0.0002
4.4'-DDT	0.0002	mg/L	-	-	-	< 0.0002
a-HCH	0.0002	mg/L	-	-	-	< 0.0002
Aldrin	0.0002	mg/L	-	-	-	< 0.0002
b-HCH	0.0002	mg/L	-	-	-	< 0.0002
d-HCH	0.0002	mg/L	-	-	-	< 0.0002
Dieldrin	0.0002	mg/L	-	-	-	< 0.0002
Endosulfan I	0.0002	mg/L	-	-	-	< 0.0002
Endosulfan II	0.0002	mg/L	-	-	-	< 0.0002

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endosulfan sulphate	0.0002	mg/L	-	-	-	< 0.0002
Endrin	0.0002	mg/L	-	-	-	< 0.0002
Endrin aldehyde	0.0002	mg/L	-	-	-	< 0.0002
Endrin ketone	0.0002	mg/L	-	-	-	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	-	-	-	< 0.0002
Heptachlor	0.0002	mg/L	-	-	-	< 0.0002
Heptachlor epoxide	0.0002	mg/L	-	-	-	< 0.0002
Hexachlorobenzene	0.0002	mg/L	-	-	-	< 0.0002
Methoxychlor	0.0002	mg/L	-	-	-	< 0.0002
Toxaphene	0.005	mg/L	-	-	-	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	-	-	-	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	-	-	-	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	-	-	-	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	-	-	-	< 0.002
Dibutylchlorendate (surr.)	1	%	-	-	-	116
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	126
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	-	-	-	< 0.002
Bolstar	0.002	mg/L	-	-	-	< 0.002
Chlorfenvinphos	0.02	mg/L	-	-	-	< 0.02
Chlorpyrifos	0.002	mg/L	-	-	-	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	-	-	-	< 0.002
Coumaphos	0.02	mg/L	-	-	-	< 0.02
Demeton-S	0.002	mg/L	-	-	-	< 0.002
Demeton-O	0.002	mg/L	-	-	-	< 0.002
Diazinon	0.002	mg/L	-	-	-	< 0.002
Dichlorvos	0.002	mg/L	-	-	-	< 0.002
Dimethoate	0.002	mg/L	-	-	-	< 0.002
Disulfoton	0.002	mg/L	-	-	-	< 0.002
EPN	0.002	mg/L	-	-	-	< 0.002
Ethion	0.002	mg/L	-	-	-	< 0.002
Ethoprop	0.002	mg/L	-	-	-	< 0.002
Ethyl parathion	0.002	mg/L	-	-	-	< 0.002
Fenitrothion	0.002	mg/L	-	-	-	< 0.002
Fensulfothion	0.002	mg/L	-	-	-	< 0.002
Fenthion	0.002	mg/L	-	-	-	< 0.002
Malathion	0.002	mg/L	-	-	-	< 0.002
Merphos	0.002	mg/L	-	-	-	< 0.002
Methyl parathion	0.002	mg/L	-	-	-	< 0.002
Mevinphos	0.002	mg/L	-	-	-	< 0.002
Monocrotophos	0.002	mg/L	-	-	-	< 0.002
Naled	0.002	mg/L	-	-	-	< 0.002
Omethoate	0.02	mg/L	-	-	-	< 0.02
Phorate	0.002	mg/L	-	-	-	< 0.002
Pirimiphos-methyl	0.02	mg/L	-	-	-	< 0.02
Pyrazophos	0.002	mg/L	-	-	-	< 0.002
Ronnel	0.002	mg/L	-	-	-	< 0.002
Terbufos	0.002	mg/L	-	-	-	< 0.002
Tetrachlorvinphos	0.002	mg/L	-	-	-	< 0.002

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Tokuthion	0.002	mg/L	-	-	-	< 0.002
Trichloronate	0.002	mg/L	-	-	-	< 0.002
Triphenylphosphate (surr.)	1	%	-	-	-	121
Polychlorinated Biphenyls						
Aroclor-1016	0.005	mg/L	-	-	-	< 0.005
Aroclor-1221	0.005	mg/L	-	-	-	< 0.005
Aroclor-1232	0.005	mg/L	-	-	-	< 0.005
Aroclor-1242	0.005	mg/L	-	-	-	< 0.005
Aroclor-1248	0.005	mg/L	-	-	-	< 0.005
Aroclor-1254	0.005	mg/L	-	-	-	< 0.005
Aroclor-1260	0.005	mg/L	-	-	-	< 0.005
Total PCB*	0.005	mg/L	-	-	-	< 0.005
Dibutylchlorendate (surr.)	1	%	-	-	-	116
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	126
Nitrate & Nitrite (as N)	0.05	mg/L	-	-	-	0.62
Nitrate (as N)	0.02	mg/L	-	-	-	0.58
Nitrite (as N)	0.02	mg/L	-	-	-	0.04
Phosphate total (as P)	0.01	mg/L	-	-	-	0.12
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	-	-	-	1.6
Total Nitrogen (as N)*	0.1	mg/L	-	-	-	2.2
Naphthalene[N02]	0.01	mg/L	< 0.01	-	-	-
TRH C6-C10	1	%	-	71	71	-
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	-	-	-	0.009
Cadmium (filtered)	0.0002	mg/L	-	-	-	< 0.0002
Chromium (filtered)	0.001	mg/L	-	-	-	< 0.001
Copper (filtered)	0.001	mg/L	-	-	-	0.009
Lead (filtered)	0.001	mg/L	-	-	-	< 0.001
Mercury (filtered)	0.0001	mg/L	-	-	-	< 0.0001
Nickel (filtered)	0.001	mg/L	-	-	-	0.035
Zinc (filtered)	0.005	mg/L	-	-	-	0.045
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	-	-	-	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	-	-	-	< 0.01
13C4-PFBA (surr.)	1	%	-	-	-	128
13C5-PFPeA (surr.)	1	%	-	-	-	139
13C5-PFHxA (surr.)	1	%	-	-	-	132
13C4-PFHpA (surr.)	1	%	-	-	-	134

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C8-PFOA (surr.)	1	%	-	-	-	121
13C5-PFNA (surr.)	1	%	-	-	-	121
13C6-PFDA (surr.)	1	%	-	-	-	107
13C2-PFUnDA (surr.)	1	%	-	-	-	96
13C2-PFDoDA (surr.)	1	%	-	-	-	90
13C2-PFTeDA (surr.)	1	%	-	-	-	66
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	-	-	-	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	-	-	-	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	-	-	-	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	-	-	-	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	-	-	-	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	-	-	-	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	-	-	-	< 0.05
13C8-FOSA (surr.)	1	%	-	-	-	109
D3-N-MeFOSA (surr.)	1	%	-	-	-	86
D5-N-EtFOSA (surr.)	1	%	-	-	-	96
D7-N-MeFOSE (surr.)	1	%	-	-	-	89
D9-N-EtFOSE (surr.)	1	%	-	-	-	76
D5-N-EtFOSAA (surr.)	1	%	-	-	-	85
D3-N-MeFOSAA (surr.)	1	%	-	-	-	103
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	-	-	-	< 0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	-	-	-	< 0.01
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	-	-	-	< 0.01
13C3-PFBS (surr.)	1	%	-	-	-	138
18O2-PFHxS (surr.)	1	%	-	-	-	147
13C8-PFOS (surr.)	1	%	-	-	-	124
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	-	-	-	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	-	-	-	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	-	-	-	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	-	-	-	< 0.01
13C2-4:2 FTSA (surr.)	1	%	-	-	-	136
13C2-6:2 FTSA (surr.)	1	%	-	-	-	122
13C2-8:2 FTSA (surr.)	1	%	-	-	-	168
13C2-10:2 FTSA (surr.)	1	%	-	-	-	111

Client Sample ID			WATER TRIP BLANK 4	WATER TRIP SPIKE 3	WATER TRIP SPIKE 4	QA11
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S24-Fe0069974	S24-Fe0069975	S24-Fe0069976	S24-Fe0069977
Date Sampled			Jan 25, 2024	Jan 25, 2024	Jan 25, 2024	Feb 24, 2024
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	-	-	-	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	-	-	-	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	-	-	-	< 0.01
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	-	-	-	< 0.05
Sum of PFASs (n=30)*	0.1	ug/L	-	-	-	< 0.1
BTEX						
Benzene	0.001	mg/L	< 0.001	-	-	-
Toluene	0.001	mg/L	< 0.001	-	-	-
Ethylbenzene	0.001	mg/L	< 0.001	-	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	-	-	-
o-Xylene	0.001	mg/L	< 0.001	-	-	-
Xylenes - Total*	0.003	mg/L	< 0.003	-	-	-
4-Bromofluorobenzene (surr.)	1	%	72	-	-	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	93	78	-
TRH C6-C9	1	%	-	72	71	-
BTEX						
Benzene	1	%	-	100	91	-
Ethylbenzene	1	%	-	81	81	-
m&p-Xylenes	1	%	-	93	70	-
o-Xylene	1	%	-	84	81	-
Toluene	1	%	-	87	74	-
Xylenes - Total	1	%	-	87	77	-
4-Bromofluorobenzene (surr.)	1	%	-	70	61	-

Client Sample ID			RINSATE03
Sample Matrix			Water
Eurofins Sample No.			S24-Fe0069978
Date Sampled			Feb 24, 2024
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1

Client Sample ID			RINSATE03
Sample Matrix			Water
Eurofins Sample No.			S24-Fe0069978
Date Sampled			Feb 24, 2024
Test/Reference	LOR	Unit	
Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005
Allyl chloride	0.001	mg/L	< 0.001
Benzene	0.001	mg/L	< 0.001
Bromobenzene	0.001	mg/L	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.005	mg/L	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroethane	0.005	mg/L	< 0.005
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.005	mg/L	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
Methylene Chloride	0.005	mg/L	< 0.005
o-Xylene	0.001	mg/L	< 0.001
Styrene	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001

Client Sample ID			RINSATE03
Sample Matrix			Water
Eurofins Sample No.			S24-Fe0069978
Date Sampled			Feb 24, 2024
Test/Reference	LOR	Unit	
Volatile Organics			
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003
Total MAH*	0.003	mg/L	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	103
Toluene-d8 (surr.)	1	%	82
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene[N02]	0.01	mg/L	< 0.01
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001
Naphthalene	0.001	mg/L	< 0.001
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	71
p-Terphenyl-d14 (surr.)	1	%	INT
Organochlorine Pesticides			
Chlordanes - Total	0.002	mg/L	< 0.002
4.4'-DDD	0.0002	mg/L	< 0.0002
4.4'-DDE	0.0002	mg/L	< 0.0002
4.4'-DDT	0.0002	mg/L	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002
Endrin	0.0002	mg/L	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002

Client Sample ID			RINSATE03
Sample Matrix			Water
Eurofins Sample No.			S24-Fe0069978
Date Sampled			Feb 24, 2024
Test/Reference	LOR	Unit	
Organochlorine Pesticides			
Heptachlor epoxide	0.0002	mg/L	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002
Toxaphene	0.005	mg/L	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002
Dibutylchlorendate (surr.)	1	%	INT
Tetrachloro-m-xylene (surr.)	1	%	140
Organophosphorus Pesticides			
Azinphos-methyl	0.002	mg/L	< 0.002
Bolstar	0.002	mg/L	< 0.002
Chlorfenvinphos	0.02	mg/L	< 0.02
Chlorpyrifos	0.002	mg/L	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	< 0.002
Coumaphos	0.02	mg/L	< 0.02
Demeton-S	0.002	mg/L	< 0.002
Demeton-O	0.002	mg/L	< 0.002
Diazinon	0.002	mg/L	< 0.002
Dichlorvos	0.002	mg/L	< 0.002
Dimethoate	0.002	mg/L	< 0.002
Disulfoton	0.002	mg/L	< 0.002
EPN	0.002	mg/L	< 0.002
Ethion	0.002	mg/L	< 0.002
Ethoprop	0.002	mg/L	< 0.002
Ethyl parathion	0.002	mg/L	< 0.002
Fenitrothion	0.002	mg/L	< 0.002
Fensulfothion	0.002	mg/L	< 0.002
Fenthion	0.002	mg/L	< 0.002
Malathion	0.002	mg/L	< 0.002
Merphos	0.002	mg/L	< 0.002
Methyl parathion	0.002	mg/L	< 0.002
Mevinphos	0.002	mg/L	< 0.002
Monocrotophos	0.002	mg/L	< 0.002
Naled	0.002	mg/L	< 0.002
Omethoate	0.02	mg/L	< 0.02
Phorate	0.002	mg/L	< 0.002
Pirimiphos-methyl	0.02	mg/L	< 0.02
Pyrazophos	0.002	mg/L	< 0.002
Ronnel	0.002	mg/L	< 0.002
Terbufos	0.002	mg/L	< 0.002
Tetrachlorvinphos	0.002	mg/L	< 0.002
Tokuthion	0.002	mg/L	< 0.002
Trichloronate	0.002	mg/L	< 0.002
Triphenylphosphate (surr.)	1	%	139

Client Sample ID			RINSATE03
Sample Matrix			**Water**
Eurofins Sample No.			**S24-Fe0069978**
Date Sampled			**Feb 24, 2024**
Test/Reference	LOR	Unit	
Polychlorinated Biphenyls			
Aroclor-1016	0.005	mg/L	< 0.005
Aroclor-1221	0.005	mg/L	< 0.005
Aroclor-1232	0.005	mg/L	< 0.005
Aroclor-1242	0.005	mg/L	< 0.005
Aroclor-1248	0.005	mg/L	< 0.005
Aroclor-1254	0.005	mg/L	< 0.005
Aroclor-1260	0.005	mg/L	< 0.005
Total PCB*	0.005	mg/L	< 0.005
Dibutylchlorendate (surr.)	1	%	INT
Tetrachloro-m-xylene (surr.)	1	%	140
Nitrate & Nitrite (as N)	0.05	mg/L	< 0.05
Nitrate (as N)	0.02	mg/L	< 0.02
Nitrite (as N)	0.02	mg/L	< 0.02
Phosphate total (as P)	0.01	mg/L	< 0.01
Total Kjeldahl Nitrogen (as N)	0.2	mg/L	0.3
Total Nitrogen (as N)*	0.1	mg/L	0.3
Heavy Metals			
Arsenic	0.001	mg/L	< 0.001
Cadmium	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	< 0.001
Copper	0.001	mg/L	< 0.001
Lead	0.001	mg/L	< 0.001
Mercury	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	< 0.001
Zinc	0.005	mg/L	< 0.005
Perfluoroalkyl carboxylic acids (PFCAs)			
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	< 0.01
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	< 0.01
13C4-PFBA (surr.)	1	%	66
13C5-PFPeA (surr.)	1	%	80
13C5-PFHxA (surr.)	1	%	85
13C4-PFHpA (surr.)	1	%	75
13C8-PFOA (surr.)	1	%	98
13C5-PFNA (surr.)	1	%	102
13C6-PFDA (surr.)	1	%	115
13C2-PFUnDA (surr.)	1	%	123
13C2-PFDoDA (surr.)	1	%	135
13C2-PFTeDA (surr.)	1	%	124

Client Sample ID			RINSATE03
Sample Matrix			Water
Eurofins Sample No.			S24-Fe0069978
Date Sampled			Feb 24, 2024
Test/Reference	LOR	Unit	
Perfluoroalkyl sulfonamido substances			
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	< 0.05
13C8-FOSA (surr.)	1	%	49
D3-N-MeFOSA (surr.)	1	%	40
D5-N-EtFOSA (surr.)	1	%	43
D7-N-MeFOSE (surr.)	1	%	39
D9-N-EtFOSE (surr.)	1	%	40
D5-N-EtFOSAA (surr.)	1	%	116
D3-N-MeFOSAA (surr.)	1	%	111
Perfluoroalkyl sulfonic acids (PFSAs)			
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	< 0.01
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	< 0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	< 0.01
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	< 0.01
13C3-PFBS (surr.)	1	%	92
18O2-PFHxS (surr.)	1	%	122
13C8-PFOS (surr.)	1	%	132
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	< 0.01
13C2-4:2 FTSA (surr.)	1	%	66
13C2-6:2 FTSA (surr.)	1	%	66
13C2-8:2 FTSA (surr.)	1	%	150
13C2-10:2 FTSA (surr.)	1	%	88
PFASs Summations			
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	< 0.05
Sum of PFASs (n=30)*	0.1	ug/L	< 0.1

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	Mar 04, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Feb 28, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Feb 28, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Polycyclic Aromatic Hydrocarbons	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8 filtered	Sydney	Mar 04, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Mar 04, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Total Nitrogen Set (as N)			
Nitrate & Nitrite (as N)	Melbourne	Mar 01, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrate (as N)	Melbourne	Mar 01, 2024	28 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Nitrite (as N)	Melbourne	Mar 01, 2024	2 Days
- Method: LTM-INO-4450 Determination of Nitrogen Species by Discrete Analyser			
Total Kjeldahl Nitrogen (as N)	Melbourne	Mar 01, 2024	28 Days
- Method: APHA 4500-Norg B,D Total Kjeldahl Nitrogen by FIA			
Eurofins Suite B19A: Total N (TKN, NOx), Total P			
Phosphate total (as P)	Sydney	Mar 04, 2024	28 Days
- Method: E052 Total Phosphate (as P)			
Metals M8	Sydney	Mar 04, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Mar 04, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Mar 04, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Mar 04, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Mar 04, 2024	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
PFASs Summations	Sydney	Feb 28, 2024	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1073004
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 27, 2024 7:02 PM
Due: Mar 5, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Eurofins Suite B15	Eurofins Suite B8	Eurofins Suite B8 (filtered metals)	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254										X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X
External Laboratory												
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**							
1	SMW01	Feb 24, 2024		Water	S24-Fe0069970	X		X		X	X	
2	SMW03	Feb 24, 2024		Water	S24-Fe0069971	X		X		X	X	
3	PFAS BLANK02	Feb 24, 2024		Water	S24-Fe0069972						X	
4	WATER TRIP BLANK 3	Jan 25, 2024		Water	S24-Fe0069973				X			
5	WATER TRIP BLANK 4	Jan 25, 2024		Water	S24-Fe0069974				X			
6	WATER TRIP SPIKE 3	Jan 25, 2024		Water	S24-Fe0069975							X
7	WATER TRIP SPIKE 4	Jan 25, 2024		Water	S24-Fe0069976							X
8	QA11	Feb 24, 2024		Water	S24-Fe0069977	X		X		X	X	
9	RINSATE03	Feb 24, 2024		Water	S24-Fe0069978	X	X			X	X	

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	T: +61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794	Site# 25079 & 25289

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Site# 2370

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: LEPPINGTON - ADJACENT LOTS
Project ID: 30018043

Order No.:
Report #: 1073004
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 27, 2024 7:02 PM
Due: Mar 5, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Eurofins Suite B15	Eurofins Suite B8	Eurofins Suite B8 (filtered metals)	BTEXN and Volatile TRH	Eurofins Suite B19A: Total N (TKN, NOx), Total P	Per- and Polyfluoroalkyl Substances (PFASs)	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254					X		
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X
Test Counts	4	1	3	2	4	5	2

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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/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Benzene	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.002			0.002	Pass	
4.4'-DDD	mg/L	< 0.0002			0.0002	Pass	
4.4'-DDE	mg/L	< 0.0002			0.0002	Pass	
4.4'-DDT	mg/L	< 0.0002			0.0002	Pass	
a-HCH	mg/L	< 0.0002			0.0002	Pass	
Aldrin	mg/L	< 0.0002			0.0002	Pass	
b-HCH	mg/L	< 0.0002			0.0002	Pass	
d-HCH	mg/L	< 0.0002			0.0002	Pass	
Dieldrin	mg/L	< 0.0002			0.0002	Pass	
Endosulfan I	mg/L	< 0.0002			0.0002	Pass	
Endosulfan II	mg/L	< 0.0002			0.0002	Pass	
Endosulfan sulphate	mg/L	< 0.0002			0.0002	Pass	
Endrin	mg/L	< 0.0002			0.0002	Pass	
Endrin aldehyde	mg/L	< 0.0002			0.0002	Pass	
Endrin ketone	mg/L	< 0.0002			0.0002	Pass	
g-HCH (Lindane)	mg/L	< 0.0002			0.0002	Pass	
Heptachlor	mg/L	< 0.0002			0.0002	Pass	
Heptachlor epoxide	mg/L	< 0.0002			0.0002	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Hexachlorobenzene	mg/L	< 0.0002			0.0002	Pass	
Methoxychlor	mg/L	< 0.0002			0.0002	Pass	
Toxaphene	mg/L	< 0.005			0.005	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/L	< 0.002			0.002	Pass	
Bolstar	mg/L	< 0.002			0.002	Pass	
Chlorfenvinphos	mg/L	< 0.02			0.02	Pass	
Chlorpyrifos	mg/L	< 0.002			0.002	Pass	
Chlorpyrifos-methyl	mg/L	< 0.002			0.002	Pass	
Coumaphos	mg/L	< 0.02			0.02	Pass	
Demeton-S	mg/L	< 0.002			0.002	Pass	
Demeton-O	mg/L	< 0.002			0.002	Pass	
Diazinon	mg/L	< 0.002			0.002	Pass	
Dichlorvos	mg/L	< 0.002			0.002	Pass	
Dimethoate	mg/L	< 0.002			0.002	Pass	
Disulfoton	mg/L	< 0.002			0.002	Pass	
EPN	mg/L	< 0.002			0.002	Pass	
Ethion	mg/L	< 0.002			0.002	Pass	
Ethoprop	mg/L	< 0.002			0.002	Pass	
Ethyl parathion	mg/L	< 0.002			0.002	Pass	
Fenitrothion	mg/L	< 0.002			0.002	Pass	
Fensulfothion	mg/L	< 0.002			0.002	Pass	
Fenthion	mg/L	< 0.002			0.002	Pass	
Malathion	mg/L	< 0.002			0.002	Pass	
Merphos	mg/L	< 0.002			0.002	Pass	
Methyl parathion	mg/L	< 0.002			0.002	Pass	
Mevinphos	mg/L	< 0.002			0.002	Pass	
Monocrotophos	mg/L	< 0.002			0.002	Pass	
Naled	mg/L	< 0.002			0.002	Pass	
Omethoate	mg/L	< 0.02			0.02	Pass	
Phorate	mg/L	< 0.002			0.002	Pass	
Pirimiphos-methyl	mg/L	< 0.02			0.02	Pass	
Pyrazophos	mg/L	< 0.002			0.002	Pass	
Ronnel	mg/L	< 0.002			0.002	Pass	
Terbufos	mg/L	< 0.002			0.002	Pass	
Tetrachlorvinphos	mg/L	< 0.002			0.002	Pass	
Tokuthion	mg/L	< 0.002			0.002	Pass	
Trichloronate	mg/L	< 0.002			0.002	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/L	< 0.005			0.005	Pass	
Aroclor-1221	mg/L	< 0.005			0.005	Pass	
Aroclor-1232	mg/L	< 0.005			0.005	Pass	
Aroclor-1242	mg/L	< 0.005			0.005	Pass	
Aroclor-1248	mg/L	< 0.005			0.005	Pass	
Aroclor-1254	mg/L	< 0.005			0.005	Pass	
Aroclor-1260	mg/L	< 0.005			0.005	Pass	
Total PCB*	mg/L	< 0.005			0.005	Pass	
Method Blank							
Nitrate & Nitrite (as N)	mg/L	< 0.05			0.05	Pass	
Nitrate (as N)	mg/L	< 0.02			0.02	Pass	
Nitrite (as N)	mg/L	< 0.02			0.02	Pass	
Phosphate total (as P)	mg/L	< 0.01			0.01	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Total Kjeldahl Nitrogen (as N)	mg/L	< 0.2			0.2	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.05			0.05	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.01			0.01	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.01			0.01	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.01			0.01	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.05			0.05	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.05			0.05	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.05			0.05	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.05			0.05	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.05			0.05	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.05			0.05	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.05			0.05	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.01			0.01	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.01			0.01	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.01			0.01	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.05			0.05	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.01			0.01	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	92			70-130	Pass	
TRH C10-C14	%	124			70-130	Pass	
TRH C6-C10	%	87			70-130	Pass	
TRH >C10-C16	%	129			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	83			70-130	Pass	
1.1.1-Trichloroethane	%	76			70-130	Pass	
1.2-Dichlorobenzene	%	121			70-130	Pass	
1.2-Dichloroethane	%	82			70-130	Pass	
Benzene	%	109			70-130	Pass	
Ethylbenzene	%	104			70-130	Pass	
m&p-Xylenes	%	109			70-130	Pass	
o-Xylene	%	109			70-130	Pass	
Toluene	%	107			70-130	Pass	
Trichloroethene	%	87			70-130	Pass	
Xylenes - Total*	%	109			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	104			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	92			70-130	Pass	
Acenaphthylene	%	100			70-130	Pass	
Anthracene	%	81			70-130	Pass	
Benz(a)anthracene	%	103			70-130	Pass	
Benzo(a)pyrene	%	72			70-130	Pass	
Benzo(b&j)fluoranthene	%	88			70-130	Pass	
Benzo(g.h.i)perylene	%	89			70-130	Pass	
Benzo(k)fluoranthene	%	84			70-130	Pass	
Chrysene	%	84			70-130	Pass	
Dibenz(a.h)anthracene	%	86			70-130	Pass	
Fluoranthene	%	88			70-130	Pass	
Fluorene	%	71			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	87			70-130	Pass	
Naphthalene	%	72			70-130	Pass	
Phenanthrene	%	80			70-130	Pass	
Pyrene	%	73			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	79			70-130	Pass	
4.4'-DDD	%	92			70-130	Pass	
4.4'-DDE	%	87			70-130	Pass	
4.4'-DDT	%	95			70-130	Pass	
a-HCH	%	80			70-130	Pass	
Aldrin	%	71			70-130	Pass	
b-HCH	%	116			70-130	Pass	
d-HCH	%	99			70-130	Pass	
Dieldrin	%	72			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endosulfan I	%	87			70-130	Pass	
Endosulfan II	%	79			70-130	Pass	
Endosulfan sulphate	%	94			70-130	Pass	
Endrin	%	125			70-130	Pass	
Endrin aldehyde	%	114			70-130	Pass	
Endrin ketone	%	85			70-130	Pass	
g-HCH (Lindane)	%	96			70-130	Pass	
Heptachlor epoxide	%	78			70-130	Pass	
Hexachlorobenzene	%	76			70-130	Pass	
Methoxychlor	%	70			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	93			70-130	Pass	
Dimethoate	%	100			70-130	Pass	
Ethion	%	76			70-130	Pass	
Fenitrothion	%	97			70-130	Pass	
Methyl parathion	%	116			70-130	Pass	
Mevinphos	%	109			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	106			70-130	Pass	
LCS - % Recovery							
Nitrate & Nitrite (as N)	%	107			70-130	Pass	
Nitrite (as N)	%	104			70-130	Pass	
Phosphate total (as P)	%	101			70-130	Pass	
Total Kjeldahl Nitrogen (as N)	%	114			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	96			80-120	Pass	
Arsenic (filtered)	%	100			80-120	Pass	
Cadmium	%	98			80-120	Pass	
Cadmium (filtered)	%	104			80-120	Pass	
Chromium	%	94			80-120	Pass	
Chromium (filtered)	%	106			80-120	Pass	
Copper	%	90			80-120	Pass	
Copper (filtered)	%	106			80-120	Pass	
Lead	%	96			80-120	Pass	
Lead (filtered)	%	105			80-120	Pass	
Mercury	%	93			80-120	Pass	
Mercury (filtered)	%	104			80-120	Pass	
Nickel	%	93			80-120	Pass	
Nickel (filtered)	%	106			80-120	Pass	
Zinc	%	92			80-120	Pass	
Zinc (filtered)	%	107			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	111			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	114			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	124			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	106			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	123			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	129			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	110			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	114			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorododecanoic acid (PFDoDA)	%	108			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	130			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	105			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	115			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	115			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	102			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	90			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	108			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	111			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	147			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	107			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	87			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	104			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	95			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	119			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	122			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	117			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	71			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	113			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	122			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	98			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	115			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Volatile Organics				Result 1					
1.1-Dichloroethene	N24-Fe0062097	NCP	%	78			70-130	Pass	
1.2-Dichlorobenzene	N24-Fe0062097	NCP	%	117			70-130	Pass	
Benzene	N24-Fe0062097	NCP	%	92			70-130	Pass	
Ethylbenzene	N24-Fe0062097	NCP	%	112			70-130	Pass	
m&p-Xylenes	N24-Fe0062097	NCP	%	113			70-130	Pass	
o-Xylene	N24-Fe0062097	NCP	%	109			70-130	Pass	
Toluene	N24-Fe0062097	NCP	%	109			70-130	Pass	
Trichloroethene	N24-Fe0062097	NCP	%	84			70-130	Pass	
Xylenes - Total*	N24-Fe0062097	NCP	%	112			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	N24-Fe0062097	NCP	%	107			70-130	Pass	
Spike - % Recovery									
				Result 1					
Nitrate & Nitrite (as N)	M24-Fe0074330	NCP	%	125			70-130	Pass	
Nitrite (as N)	M24-Fe0074330	NCP	%	123			70-130	Pass	
Total Kjeldahl Nitrogen (as N)	M24-Fe0074962	NCP	%	111			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S24-Ma0004026	NCP	%	93			70-130	Pass	
TRH C6-C10	S24-Ma0004026	NCP	%	91			70-130	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heavy Metals				Result 1					
Arsenic (filtered)	S24-Fe0069977	CP	%	114			75-125	Pass	
Cadmium (filtered)	S24-Fe0069977	CP	%	101			75-125	Pass	
Chromium (filtered)	S24-Fe0069977	CP	%	95			75-125	Pass	
Copper (filtered)	S24-Fe0069977	CP	%	82			75-125	Pass	
Lead (filtered)	S24-Fe0069977	CP	%	89			75-125	Pass	
Mercury (filtered)	S24-Fe0069977	CP	%	92			75-125	Pass	
Nickel (filtered)	S24-Fe0069977	CP	%	84			75-125	Pass	
Zinc (filtered)	S24-Fe0069977	CP	%	81			75-125	Pass	
Spike - % Recovery									
				Result 1					
Phosphate total (as P)	S24-Fe0069978	CP	%	84			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Fe0073658	NCP	%	100			75-125	Pass	
Cadmium	S24-Fe0073658	NCP	%	98			75-125	Pass	
Chromium	S24-Fe0073658	NCP	%	97			75-125	Pass	
Copper	S24-Fe0073658	NCP	%	93			75-125	Pass	
Lead	S24-Fe0073658	NCP	%	96			75-125	Pass	
Mercury	S24-Fe0073658	NCP	%	95			75-125	Pass	
Nickel	S24-Fe0073658	NCP	%	96			75-125	Pass	
Zinc	S24-Fe0073658	NCP	%	95			75-125	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	S24-Fe0069978	CP	%	111			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0069978	CP	%	112			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0069978	CP	%	109			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0069978	CP	%	107			50-150	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0069978	CP	%	106			50-150	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0069978	CP	%	115			50-150	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0069978	CP	%	113			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0069978	CP	%	108			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0069978	CP	%	112			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0069978	CP	%	115			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0069978	CP	%	100			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	S24-Fe0069978	CP	%	109			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0069978	CP	%	112			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0069978	CP	%	107			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0069978	CP	%	111			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0069978	CP	%	117			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0069978	CP	%	106			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0069978	CP	%	115			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0069978	CP	%	108			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Fe0069978	CP	%	100			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0069978	CP	%	96			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0069978	CP	%	94			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0069978	CP	%	110			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0069978	CP	%	114			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0069978	CP	%	109			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0069978	CP	%	66			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0069978	CP	%	110			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0069978	CP	%	111			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0069978	CP	%	118			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0069978	CP	%	94			50-150	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Fe0069970	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C10-C14	S24-Fe0065736	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S24-Fe0065736	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S24-Fe0065736	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C6-C10	S24-Fe0069970	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH >C10-C16	S24-Fe0065736	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S24-Fe0065736	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S24-Fe0065736	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
2-Butanone (MEK)	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Ethylbenzene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Iodomethane	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S24-Fe0069970	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Methylene Chloride	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
o-Xylene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Styrene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S24-Fe0069970	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S24-Fe0069970	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Xylenes - Total*	S24-Fe0069970	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Fe0069970	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Indeno(1.2.3-cd)pyrene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	R24-Fe0069881	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
4.4'-DDD	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDE	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDT	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Aldrin	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
b-HCH	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
d-HCH	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Dieldrin	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan I	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan II	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan sulphate	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin aldehyde	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin ketone	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Heptachlor epoxide	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Hexachlorobenzene	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Methoxychlor	R24-Fe0069881	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Toxaphene	R24-Fe0069881	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Bolstar	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorfenvinphos	R24-Fe0069881	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Chlorpyrifos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorpyrifos-methyl	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Coumaphos	R24-Fe0069881	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Demeton-S	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Demeton-O	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Diazinon	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dichlorvos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Dimethoate	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Disulfoton	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
EPN	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethoprop	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ethyl parathion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fenitrothion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fensulfothion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Fenthion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Malathion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Merphos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Methyl parathion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Mevinphos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Monocrotophos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Naled	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Omethoate	R24-Fe0069881	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phorate	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Pirimiphos-methyl	R24-Fe0069881	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Pyrazophos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Ronnel	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Terbufos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tetrachlorvinphos	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Tokuthion	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Trichloronate	R24-Fe0069881	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Nitrate & Nitrite (as N)	B24-Fe0067976	NCP	mg/L	0.08	0.08	8.4	30%	Pass	
Nitrite (as N)	B24-Fe0067976	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Phosphate total (as P)	S24-Fe0072156	NCP	mg/L	0.03	0.03	1.1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	B24-Fe0073255	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium (filtered)	S24-Ma0002689	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	B24-Fe0073255	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	B24-Fe0073255	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead (filtered)	B24-Fe0073255	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	B24-Fe0073255	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	B24-Fe0073255	NCP	mg/L	0.001	0.001	15	30%	Pass	
Zinc (filtered)	B24-Fe0073255	NCP	mg/L	< 0.005	0.006	31	30%	Fail	Q15
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluorobutanoic acid (PFBA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
Perfluoropentanoic acid (PFPeA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanoic acid (PFHxA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanoic acid (PFHpA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanoic acid (PFOA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanoic acid (PFNA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanoic acid (PFDA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroundecanoic acid (PFUnDA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorododecanoic acid (PFDoDA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotridecanoic acid (PFTrDA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorotetradecanoic acid (PFTeDA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonamido substances				Result 1	Result 2	RPD			
Perfluorooctane sulfonamide (FOSA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorononanesulfonic acid (PFNS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	S24-Fe0069970	CP	ug/L	< 0.05	< 0.05	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	S24-Fe0069970	CP	ug/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Total Kjeldahl Nitrogen (as N)	S24-Fe0069971	CP	mg/L	37	38	4.8	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Ma0000129	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	S24-Ma0000129	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S24-Ma0000129	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	S24-Ma0000129	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S24-Ma0000129	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S24-Ma0000129	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S24-Ma0000129	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc	S24-Ma0000129	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	2.1°C
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
N09	Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
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
Mary Makarios	Senior Analyst-Inorganic
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

Eurofins shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Eurofins be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Environmental Division
Sydney
Work Order Reference
ES2406719

Telephone : +61-2-8784 8555

SMEC

CHAIN OF CUSTODY FORM

SMEC Office: North Sydney

PROJECT NAME:	Leppington - Adjacent Lots			LABORATORY:	Eurofins
SITE LOCATION:	Rickard Road, Leppington			CONTACT PERSON:	Adam Bateup
PROJECT No:	30018043			ADDRESS & PHONE No.:	Eurofins Environment Testing Australia Pty Ltd
CLIENT:	SINSW			LABORATORY QUOTE No.:	
PROJECT MANAGER:	Steve Shaw	CONTACT PH:	0422 155 256	TURNAROUND REQUIREMENTS:	Standard - 5 Day TAT
SAMPLED BY:	PV, JP	CONTACT PH:	0432 982 682	DESPATCH COURIER (consignment reference):	
DATE(s) SAMPLED:	05/02/2024 - 08/02/2024	RELINQUISHED BY:	1) Jordan Petraccaro	2)	3) 4)
DATE/TIME OF DEPARTURE FROM SITE:	08/02/2024 - 4:00pm	DATE/TIME:	08/02/2024 - 5:00pm		
EMAIL REPORTS TO (default to PM/TL):	Pauline.Voukidis@smec.com; Jordan.Petraccaro@smec.com	RECEIVED BY:	Eurofins Girraween		
EMAIL INVOICE TO	Steven.Shaw@smec.com	DATE/TIME:	9/02/2024		
SPECIAL LABORATORY INSTRUCTIONS:					

SAMPLE DETAILS						ANALYSIS REQUIRED																					
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	HOLD	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 : OCP, OPP, PCB	B19A: Nutrients	Asbestos ID - Presence/Absence	Lead	Zinc	Arsenic	Asbestos WA Guidelines %w/w	PFAS Extended Suite - 30 PFAS	Herbicides (Phenoxy acetic acid)	pH - Field Screen (pHf and pHfox)	(Conductivity (EC) (1:5 Aqueous Extract)	R21 - %Fe / CEC / pH(CaCl2) / TOC / % Clay Content	Synthetic Pyrethroids	E.Coli	Total Coliforms	EP234F (full suite)	TRH(C6-C10)/BTEX	FORWARD TO ALS	Notes
	SMW01	05/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	6		X	X	X						X											
	SMW02	05/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	6		X	X	X						X											
	PFAS Blank02	24/02/2024	Water	1x PFAS Bottle	1										X											
	Water Trip Blank 3	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Blank 4	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 3	25/01/2024	Water	1x Vial	1																			X		
	Water Trip Spike 4	25/01/2024	Water	1x Vial	1																			X		
	QA11	05/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	6		X	X	X						X											
	QA11a	05/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	6		X	X	X						X										X	PLEASE FORWARD SAMPLE TO ALS
	Rinsate02	06/02/2024	Water	2x Amber, 3x Vials, 1x Metals, 1x Nutrients, 1x PFAS	6		X	X	X						X											
				TOTAL	45	0	5	5	5	0	0	0	0	0	6	0	0	0	0	0	0	0	0	4	1	

Common Abbreviations: S - Soil, W - Water, M - Material, UP - Unpreserved, P - Preserved, PM- Project Manager, TL - Technical Lead, LOR - Limits of reporting, CoC - Chain of custody

Rec: Ktw
29/2/24
1340

Received: 27/02
7:02 PM

Adam Bateup

Chilled: 2.1°C

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2406719**

Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: pauline.voukidis@smec.com	E-mail	: katie.davis@alsglobal.com
Telephone	: ----	Telephone	: +61-2-8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: 30018043 LEPPINGTON- Adjacent Lots	Page	: 1 of 2
Order number	: ----	Quote number	: EP2023SMEAUS0001 (EN-111)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: RICKARD ROAD, LEPPINGTON		
Sampler	: JP, PV		

Dates

Date Samples Received	: 29-Feb-2024 13:40	Issue Date	: 01-Mar-2024
Client Requested Due Date	: 07-Mar-2024	Scheduled Reporting Date	: **07-Mar-2024**

Delivery Details

Mode of Delivery	: Carrier	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 16.1'C, 15.5'C, 15.2'C - Ice Bricks present
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (28 analytes)	WATER - NT-11 Total Nitrogen and Total Phosphorus	WATER - W-02 8 Metals	WATER - W-10 TRH/BTEX/VOC/PAH	WATER - W-13 OC/OP/PCB
ES2406719-001	24-Feb-2024 00:00	QA11a	✓	✓	✓	✓	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS INVOICES		
- A4 - AU Tax Invoice (INV)	Email	accounts.payable@smec.com
JORDAN PETRACCARO		
- *AU Certificate of Analysis - NATA (COA)	Email	jordan.petraccaro@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jordan.petraccaro@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jordan.petraccaro@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jordan.petraccaro@smec.com
- Chain of Custody (CoC) (COC)	Email	jordan.petraccaro@smec.com
- EDI Format - ENMRG (ENMRG)	Email	jordan.petraccaro@smec.com
- EDI Format - ESDAT (ESDAT)	Email	jordan.petraccaro@smec.com
Pauline Voukidis		
- *AU Certificate of Analysis - NATA (COA)	Email	pauline.voukidis@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	pauline.voukidis@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	pauline.voukidis@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	pauline.voukidis@smec.com
- Chain of Custody (CoC) (COC)	Email	pauline.voukidis@smec.com
- EDI Format - ENMRG (ENMRG)	Email	pauline.voukidis@smec.com
- EDI Format - ESDAT (ESDAT)	Email	pauline.voukidis@smec.com
STEVEN SHAW		
- *AU Certificate of Analysis - NATA (COA)	Email	steven.shaw@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	steven.shaw@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	steven.shaw@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	steven.shaw@smec.com
- Chain of Custody (CoC) (COC)	Email	steven.shaw@smec.com
- EDI Format - ENMRG (ENMRG)	Email	steven.shaw@smec.com
- EDI Format - ESDAT (ESDAT)	Email	steven.shaw@smec.com

QUALITY CONTROL REPORT

Work Order	: **ES2406719**	Page	: 1 of 17
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 29-Feb-2024
Order number	: 30018043	Date Analysis Commenced	: 04-Mar-2024
C-O-C number	: ----	Issue Date	: 07-Mar-2024
Sampler	: JP, PV		
Site	: RICKARD ROAD, LEPPINGTON		
Quote number	: EN-111		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

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

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EG020F: Dissolved Metals by ICP-MS (QC Lot: 5640290)									
ES2406614-006	Anonymous	EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-F: Arsenic	7440-38-2	0.001	mg/L	0.001	0.001	0.0	No Limit
		EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0	No Limit
ES2406806-005	Anonymous	EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-F: Arsenic	7440-38-2	0.001	mg/L	0.005	0.005	0.0	No Limit
		EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Copper	7440-50-8	0.001	mg/L	0.005	0.005	0.0	No Limit
		EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-F: Nickel	7440-02-0	0.001	mg/L	0.010	0.010	0.0	0% - 50%
		EG020A-F: Zinc	7440-66-6	0.005	mg/L	0.007	0.007	0.0	No Limit
EG035F: Dissolved Mercury by FIMS (QC Lot: 5640291)									
ES2406615-001	Anonymous	EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
ES2406719-001	QA11a	EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 5637913)									
ES2406774-005	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	2.34	2.34	0.0	0% - 20%
EW2400938-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	1.02	1.02	0.0	0% - 20%

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 5637918)									
ES2406691-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1 (1.0)*	mg/L	1.7	1.7	0.0	No Limit
EW2400938-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.9	0.8	14.1	No Limit
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 5637917)									
ES2406691-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01 (0.10)*	mg/L	<0.10	<0.10	0.0	No Limit
EW2400938-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.02	0.03	62.6	No Limit
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
ES2406812-001	Anonymous	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
EP074D: Fumigants (QC Lot: 5637988)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP074D: Fumigants (QC Lot: 5637988) - continued									
ES2406719-001	QA11a	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5637988) - continued									
ES2406719-001	QA11a	EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
ES2406812-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074F: Halogenated Aromatic Compounds (QC Lot: 5637988) - continued									
ES2406719-001	QA11a	EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 5637988)									
ES2406719-001	QA11a	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5637987)									
ES2406719-001	QA11a	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
ES2406812-001	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5637987)									
ES2406719-001	QA11a	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
ES2406812-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
EP080: BTEXN (QC Lot: 5637987)									
ES2406719-001	QA11a	EP080: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit
ES2406812-001	Anonymous	EP080: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP080: BTEXN (QC Lot: 5637987) - continued									
ES2406812-001	Anonymous	EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5638075)									
ES2406719-001	QA11a	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.02	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5638075)									
ES2406719-001	QA11a	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5638075)									
ES2406719-001	QA11a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5638075)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5638075) - continued									
ES2406719-001	QA11a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5638075)									
ES2406719-001	QA11a	EP231X: Sum of PFAS	----	0.01	µg/L	0.02	<0.01	66.7	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG020F: Dissolved Metals by ICP-MS (QCLot: 5640290)								
EG020A-F: Arsenic	7440-38-2	0.001	mg/L	<0.001	0.1 mg/L	95.4	85.0	114
EG020A-F: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	0.1 mg/L	92.6	84.0	110
EG020A-F: Chromium	7440-47-3	0.001	mg/L	<0.001	0.1 mg/L	94.1	85.0	111
EG020A-F: Copper	7440-50-8	0.001	mg/L	<0.001	0.1 mg/L	86.1	81.0	111
EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	0.1 mg/L	90.3	83.0	111
EG020A-F: Nickel	7440-02-0	0.001	mg/L	<0.001	0.1 mg/L	84.8	82.0	112
EG020A-F: Zinc	7440-66-6	0.005	mg/L	<0.005	0.1 mg/L	89.4	81.0	117
EG035F: Dissolved Mercury by FIMS (QCLot: 5640291)								
EG035F: Mercury	7439-97-6	0.0001	mg/L	<0.0001	0.01 mg/L	99.2	83.0	105
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 5637913)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	102	91.0	113
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 5637918)								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	10 mg/L	90.2	69.0	123
				<0.1	1 mg/L	107	70.0	123
				<0.1	5 mg/L	106	70.0	123
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 5637917)								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	4.42 mg/L	90.0	71.3	126
				<0.01	0.442 mg/L	98.1	71.3	126
				<0.01	1 mg/L	105	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5638176)								
EP066: Total Polychlorinated biphenyls	----	1	µg/L	<1	10 µg/L	83.4	68.9	113
EP068A: Organochlorine Pesticides (OC) (QCLot: 5638177)								
EP068: alpha-BHC	319-84-6	0.5	µg/L	<0.5	5 µg/L	80.9	64.9	107
EP068: Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	<0.5	5 µg/L	81.0	58.3	111
EP068: beta-BHC	319-85-7	0.5	µg/L	<0.5	5 µg/L	74.8	69.0	117
EP068: gamma-BHC	58-89-9	0.5	µg/L	<0.5	5 µg/L	77.9	70.0	112
EP068: delta-BHC	319-86-8	0.5	µg/L	<0.5	5 µg/L	79.0	68.9	110
EP068: Heptachlor	76-44-8	0.5	µg/L	<0.5	5 µg/L	101	65.2	108
EP068: Aldrin	309-00-2	0.5	µg/L	<0.5	5 µg/L	86.0	65.8	109
EP068: Heptachlor epoxide	1024-57-3	0.5	µg/L	<0.5	5 µg/L	78.1	67.1	107

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP068A: Organochlorine Pesticides (OC) (QCLot: 5638177) - continued								
EP068: trans-Chlordane	5103-74-2	0.5	µg/L	<0.5	5 µg/L	74.5	64.1	110
EP068: alpha-Endosulfan	959-98-8	0.5	µg/L	<0.5	5 µg/L	78.4	66.7	112
EP068: cis-Chlordane	5103-71-9	0.5	µg/L	<0.5	5 µg/L	77.4	63.2	111
EP068: Dieldrin	60-57-1	0.5	µg/L	<0.5	5 µg/L	80.1	65.2	113
EP068: 4.4`-DDE	72-55-9	0.5	µg/L	<0.5	5 µg/L	78.5	66.0	112
EP068: Endrin	72-20-8	0.5	µg/L	<0.5	5 µg/L	80.0	65.2	113
EP068: beta-Endosulfan	33213-65-9	0.5	µg/L	<0.5	5 µg/L	83.7	67.3	114
EP068: 4.4`-DDD	72-54-8	0.5	µg/L	<0.5	5 µg/L	80.2	72.0	122
EP068: Endrin aldehyde	7421-93-4	0.5	µg/L	<0.5	5 µg/L	76.4	66.9	109
EP068: Endosulfan sulfate	1031-07-8	0.5	µg/L	<0.5	5 µg/L	74.5	65.2	112
EP068: 4.4`-DDT	50-29-3	2	µg/L	<2.0	5 µg/L	81.7	65.2	112
EP068: Endrin ketone	53494-70-5	0.5	µg/L	<0.5	5 µg/L	78.3	63.8	110
EP068: Methoxychlor	72-43-5	2	µg/L	<2.0	5 µg/L	75.4	61.1	114
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5638177)								
EP068: Dichlorvos	62-73-7	0.5	µg/L	<0.5	5 µg/L	92.0	65.6	114
EP068: Demeton-S-methyl	919-86-8	0.5	µg/L	<0.5	5 µg/L	79.6	63.7	113
EP068: Monocrotophos	6923-22-4	2	µg/L	<2.0	5 µg/L	24.4	19.7	48.0
EP068: Dimethoate	60-51-5	0.5	µg/L	<0.5	5 µg/L	80.0	69.5	110
EP068: Diazinon	333-41-5	0.5	µg/L	<0.5	5 µg/L	80.6	71.1	110
EP068: Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	<0.5	5 µg/L	78.5	77.0	119
EP068: Parathion-methyl	298-00-0	2	µg/L	<2.0	5 µg/L	74.2	70.0	124
EP068: Malathion	121-75-5	0.5	µg/L	<0.5	5 µg/L	85.0	68.4	116
EP068: Fenthion	55-38-9	0.5	µg/L	<0.5	5 µg/L	79.0	68.6	112
EP068: Chlorpyrifos	2921-88-2	0.5	µg/L	<0.5	5 µg/L	79.5	75.0	119
EP068: Parathion	56-38-2	2	µg/L	<2.0	5 µg/L	93.6	67.0	121
EP068: Pirimphos-ethyl	23505-41-1	0.5	µg/L	<0.5	5 µg/L	77.5	69.0	121
EP068: Chlorfenvinphos	470-90-6	0.5	µg/L	<0.5	5 µg/L	102	71.8	110
EP068: Bromophos-ethyl	4824-78-6	0.5	µg/L	<0.5	5 µg/L	78.7	67.5	112
EP068: Fenamiphos	22224-92-6	0.5	µg/L	<0.5	5 µg/L	90.3	64.1	116
EP068: Prothiofos	34643-46-4	0.5	µg/L	<0.5	5 µg/L	77.8	67.8	114
EP068: Ethion	563-12-2	0.5	µg/L	<0.5	5 µg/L	81.6	74.0	120
EP068: Carbophenothion	786-19-6	0.5	µg/L	<0.5	5 µg/L	80.4	66.2	114
EP068: Azinphos Methyl	86-50-0	0.5	µg/L	<0.5	5 µg/L	74.4	51.6	128
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5637988)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5637988) - continued								
EP074: Styrene	100-42-5	5	µg/L	<5	10 µg/L	102	73.0	119
EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	10 µg/L	102	76.0	118
EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	10 µg/L	99.2	69.0	119
EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	10 µg/L	103	74.0	116
EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	10 µg/L	103	74.0	116
EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	10 µg/L	102	72.0	116
EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	10 µg/L	102	71.0	119
EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	10 µg/L	99.9	65.0	123
EP074B: Oxygenated Compounds (QCLot: 5637988)								
EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	100 µg/L	106	61.4	134
EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	100 µg/L	105	73.6	130
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	100 µg/L	104	66.0	132
EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	100 µg/L	97.9	65.0	137
EP074C: Sulfonated Compounds (QCLot: 5637988)								
EP074: Carbon disulfide	75-15-0	5	µg/L	<5	10 µg/L	88.0	72.8	127
EP074D: Fumigants (QCLot: 5637988)								
EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	10 µg/L	101	68.0	122
EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	10 µg/L	104	76.0	118
EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	10 µg/L	97.8	62.0	120
EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	10 µg/L	98.7	60.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	10 µg/L	105	69.0	117
EP074E: Halogenated Aliphatic Compounds (QCLot: 5637988)								
EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	100 µg/L	80.1	60.6	138
EP074: Chloromethane	74-87-3	50	µg/L	<50	100 µg/L	94.2	67.4	130
EP074: Vinyl chloride	75-01-4	50	µg/L	<50	100 µg/L	91.5	69.4	129
EP074: Bromomethane	74-83-9	50	µg/L	<50	100 µg/L	93.4	56.0	140
EP074: Chloroethane	75-00-3	50	µg/L	<50	100 µg/L	95.2	61.0	139
EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	100 µg/L	97.1	69.0	131
EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	10 µg/L	96.9	70.0	124
EP074: Iodomethane	74-88-4	5	µg/L	<5	10 µg/L	96.5	70.2	128
EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	10 µg/L	101	74.0	118
EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	10 µg/L	101	74.0	120
EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	10 µg/L	104	77.0	119

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP074E: Halogenated Aliphatic Compounds (QCLot: 5637988) - continued								
EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	10 µg/L	95.3	67.0	119
EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	10 µg/L	98.3	73.0	119
EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	10 µg/L	94.2	62.0	120
EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	10 µg/L	108	73.0	123
EP074: Trichloroethene	79-01-6	5	µg/L	<5	10 µg/L	101	76.0	118
EP074: Dibromomethane	74-95-3	5	µg/L	<5	10 µg/L	107	73.0	119
EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	10 µg/L	106	72.0	126
EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	10 µg/L	108	71.0	129
EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	10 µg/L	99.5	72.0	124
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	10 µg/L	99.4	66.0	114
EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	10 µg/L	84.8	60.0	120
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	10 µg/L	108	70.6	128
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	10 µg/L	110	70.0	124
EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	10 µg/L	108	74.0	126
EP074: Pentachloroethane	76-01-7	5	µg/L	<5	10 µg/L	99.4	71.8	126
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	10 µg/L	98.0	66.4	136
EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	10 µg/L	109	58.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5637988)								
EP074: Chlorobenzene	108-90-7	5	µg/L	<5	10 µg/L	108	79.0	117
EP074: Bromobenzene	108-86-1	5	µg/L	<5	10 µg/L	103	76.0	116
EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	10 µg/L	104	73.0	119
EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	10 µg/L	104	75.0	117
EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	10 µg/L	106	74.0	118
EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	10 µg/L	106	75.0	117
EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	10 µg/L	107	61.0	125
EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	10 µg/L	121	67.0	123
EP074G: Trihalomethanes (QCLot: 5637988)								
EP074: Chloroform	67-66-3	5	µg/L	<5	10 µg/L	107	72.0	120
EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	10 µg/L	100	64.0	118
EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	10 µg/L	95.9	65.0	115
EP074: Bromoform	75-25-2	5	µg/L	<5	10 µg/L	91.2	73.5	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5638174)								
EP075(SIM): Naphthalene	91-20-3	1	µg/L	<1.0	5 µg/L	67.3	50.0	94.0

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5638174) - continued								
EP075(SIM): Acenaphthylene	208-96-8	1	µg/L	<1.0	5 µg/L	81.2	63.6	114
EP075(SIM): Acenaphthene	83-32-9	1	µg/L	<1.0	5 µg/L	87.6	62.2	113
EP075(SIM): Fluorene	86-73-7	1	µg/L	<1.0	5 µg/L	73.2	63.9	115
EP075(SIM): Phenanthrene	85-01-8	1	µg/L	<1.0	5 µg/L	94.6	62.6	116
EP075(SIM): Anthracene	120-12-7	1	µg/L	<1.0	5 µg/L	96.1	64.3	116
EP075(SIM): Fluoranthene	206-44-0	1	µg/L	<1.0	5 µg/L	81.8	63.6	118
EP075(SIM): Pyrene	129-00-0	1	µg/L	<1.0	5 µg/L	77.9	63.1	118
EP075(SIM): Benz(a)anthracene	56-55-3	1	µg/L	<1.0	5 µg/L	77.5	64.1	117
EP075(SIM): Chrysene	218-01-9	1	µg/L	<1.0	5 µg/L	74.4	62.5	116
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	<1.0	5 µg/L	68.4	61.7	119
EP075(SIM): Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	5 µg/L	73.7	63.0	115
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	5 µg/L	83.7	63.3	117
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	<1.0	5 µg/L	71.8	59.9	118
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	1	µg/L	<1.0	5 µg/L	68.2	61.2	117
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	1	µg/L	<1.0	5 µg/L	75.6	59.1	118
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5637987)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	260 µg/L	96.5	75.0	127
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5638175)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	400 µg/L	87.0	53.7	97.0
EP071: C15 - C28 Fraction	----	100	µg/L	<100	600 µg/L	82.7	63.3	107
EP071: C29 - C36 Fraction	----	50	µg/L	<50	400 µg/L	83.4	58.3	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5637987)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	310 µg/L	100.0	75.0	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5638175)								
EP071: >C10 - C16 Fraction	----	100	µg/L	<100	500 µg/L	89.2	53.9	95.5
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	700 µg/L	83.0	57.8	110
EP071: >C34 - C40 Fraction	----	100	µg/L	<100	300 µg/L	72.2	50.5	115
EP080: BTEXN (QCLot: 5637987)								
EP080: Benzene	71-43-2	1	µg/L	<1	10 µg/L	105	68.3	119
EP080: Toluene	108-88-3	2	µg/L	<2	10 µg/L	112	73.5	120
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	10 µg/L	101	73.8	122
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	10 µg/L	115	73.0	122
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	10 µg/L	115	76.4	123

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP080: BTEXN (QCLot: 5637987) - continued								
EP080: Naphthalene	91-20-3	5	µg/L	<5	10 µg/L	94.7	75.5	124
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5638075)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	86.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	97.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	89.1	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	96.4	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	92.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	89.9	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5638075)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	92.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	87.8	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	88.9	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	98.2	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	92.6	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	91.8	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	92.6	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	91.6	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	81.3	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	93.5	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	84.5	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5638075)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	93.4	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	91.2	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	94.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	89.5	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	99.7	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	90.1	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	83.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5638075)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	83.5	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	103	64.0	140

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5638075) - continued								
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	113	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	85.1	71.4	144

Matrix Spike (MS) Report

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

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG020F: Dissolved Metals by ICP-MS (QCLot: 5640290)							
ES2406614-003	Anonymous	EG020A-F: Arsenic	7440-38-2	1 mg/L	100	70.0	130
		EG020A-F: Cadmium	7440-43-9	0.25 mg/L	101	70.0	130
		EG020A-F: Chromium	7440-47-3	1 mg/L	98.0	70.0	130
		EG020A-F: Copper	7440-50-8	1 mg/L	96.7	70.0	130
		EG020A-F: Lead	7439-92-1	1 mg/L	92.3	70.0	130
		EG020A-F: Nickel	7440-02-0	1 mg/L	96.4	70.0	130
		EG020A-F: Zinc	7440-66-6	1 mg/L	100	70.0	130
EG035F: Dissolved Mercury by FIMS (QCLot: 5640291)							
ES2406614-006	Anonymous	EG035F: Mercury	7439-97-6	0.01 mg/L	86.6	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 5637913)							
ES2406774-005	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	# Not Determined	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 5637918)							
ES2406719-001	QA11a	EK061G: Total Kjeldahl Nitrogen as N	----	50 mg/L	99.7	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 5637917)							
ES2406719-001	QA11a	EK067G: Total Phosphorus as P	----	10 mg/L	103	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 5637988)							
ES2406719-001	QA11a	EP074: 1.1-Dichloroethene	75-35-4	25 µg/L	104	70.0	130
		EP074: Trichloroethene	79-01-6	25 µg/L	87.9	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5637988)							
ES2406719-001	QA11a	EP074: Chlorobenzene	108-90-7	25 µg/L	87.8	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5637987)							
ES2406719-001	QA11a	EP080: C6 - C9 Fraction	----	325 µg/L	111	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5637987)							
ES2406719-001	QA11a	EP080: C6 - C10 Fraction	C6_C10	375 µg/L	109	70.0	130

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP080: BTEXN (QCLot: 5637987)							
ES2406719-001	QA11a	EP080: Benzene	71-43-2	25 µg/L	111	70.0	130
		EP080: Toluene	108-88-3	25 µg/L	115	70.0	130
		EP080: Ethylbenzene	100-41-4	25 µg/L	101	70.0	130
		EP080: meta- & para-Xylene	108-38-3 106-42-3	25 µg/L	118	70.0	130
		EP080: ortho-Xylene	95-47-6	25 µg/L	116	70.0	130
		EP080: Naphthalene	91-20-3	25 µg/L	88.5	70.0	130
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5638075)							
ES2406719-001	QA11a	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	92.6	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	95.9	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	87.4	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	100	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	91.6	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	98.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5638075)							
ES2406719-001	QA11a	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	94.2	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	95.5	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.3	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	97.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	95.3	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	92.1	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	93.4	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	98.5	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	95.2	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5638075)							
ES2406719-001	QA11a	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	96.3	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	106	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	104	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.6	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	99.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	80.0	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	84.6	61.0	135

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5638075)							
ES2406719-001	QA11a	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	87.9	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	96.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	123	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	85.0	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2406719**	Page	: 1 of 9
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 29-Feb-2024
Site	: RICKARD ROAD, LEPPINGTON	Issue Date	: 07-Mar-2024
Sampler	: JP, PV	No. of samples received	: 1
Order number	: 30018043	No. of samples analysed	: 1

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

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

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Ar	ES2406774--005	Anonymous	**Nitrite + Nitrate as N**	----	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Outliers : Analysis Holding Time Compliance

Matrix: **WATER**

Method / Container / Client Sample ID(s)	Extraction / Preparation: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Days overdue	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Days overdue
EP066: Polychlorinated Biphenyls (PCB)						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----
EP068A: Organochlorine Pesticides (OC)						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----
EP068B: Organophosphorus Pesticides (OP)						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----
EP080/071: Total Petroleum Hydrocarbons						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions						
Amber Glass Bottle - Unpreserved						
QA11a	05-Mar-2024	02-Mar-2024	**3**	----	----	----

Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

Quality Control Sample Type / Analytical Methods	Method	Count: QC	Count: Regular	Rate (%): Actual	Rate (%): Expected	Quality Control Specification
Laboratory Duplicates (DUP)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	5	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	9.09	10.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	1	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	1	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	6	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)						

Matrix: **WATER**

Quality Control Sample Type		Count		Rate (%)		Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	
Matrix Spikes (MS) - Continued						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	5	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	1	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	1	0.00	5.00	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	6	0.00	5.00	NEPM 2013 B3 & ALS QC Standard

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / *Container / Client Sample ID(s)*	*Sample Date*	*Extraction / Preparation*			*Analysis*		
		Date extracted	*Due for extraction*	*Evaluation*	*Date analysed*	*Due for analysis*	*Evaluation*
EG020F: Dissolved Metals by ICP-MS							
Clear Plastic Bottle - Nitric Acid; Filtered (EG020A-F) QA11a	**24-Feb-2024**	**----**	----	----	**05-Mar-2024**	22-Aug-2024	✓
EG035F: Dissolved Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Filtered (EG035F) QA11a	**24-Feb-2024**	**----**	----	----	**05-Mar-2024**	23-Mar-2024	✓
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK059G) QA11a	**24-Feb-2024**	**----**	----	----	**04-Mar-2024**	23-Mar-2024	✓
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK061G) QA11a	**24-Feb-2024**	**04-Mar-2024**	23-Mar-2024	✓	**04-Mar-2024**	23-Mar-2024	✓
EK067G: Total Phosphorus as P by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK067G) QA11a	**24-Feb-2024**	**04-Mar-2024**	23-Mar-2024	✓	**04-Mar-2024**	23-Mar-2024	✓
EP066: Polychlorinated Biphenyls (PCB)							
Amber Glass Bottle - Unpreserved (EP066) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**06-Mar-2024**	14-Apr-2024	✓
EP068A: Organochlorine Pesticides (OC)							
Amber Glass Bottle - Unpreserved (EP068) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**07-Mar-2024**	14-Apr-2024	✓
EP068B: Organophosphorus Pesticides (OP)							
Amber Glass Bottle - Unpreserved (EP068) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**07-Mar-2024**	14-Apr-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074A: Monocyclic Aromatic Hydrocarbons							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074B: Oxygenated Compounds							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074C: Sulfonated Compounds							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074D: Fumigants							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074E: Halogenated Aliphatic Compounds							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074F: Halogenated Aromatic Compounds							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP074G: Trihalomethanes							
Clear glass VOC vial - HCl (EP074) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075(SIM)) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**06-Mar-2024**	14-Apr-2024	✓
EP080/071: Total Petroleum Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP071) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**06-Mar-2024**	14-Apr-2024	✓
Clear glass VOC vial - HCl (EP080) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Amber Glass Bottle - Unpreserved (EP071) QA11a	**24-Feb-2024**	**05-Mar-2024**	02-Mar-2024	×	**06-Mar-2024**	14-Apr-2024	✓
Clear glass VOC vial - HCl (EP080) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP080: BTEXN							
Clear glass VOC vial - HCl (EP080) QA11a	**24-Feb-2024**	**04-Mar-2024**	09-Mar-2024	✓	**04-Mar-2024**	09-Mar-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) QA11a	**24-Feb-2024**	**04-Mar-2024**	22-Aug-2024	✓	**05-Mar-2024**	22-Aug-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) QA11a	**24-Feb-2024**	**04-Mar-2024**	22-Aug-2024	✓	**05-Mar-2024**	22-Aug-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) QA11a	**24-Feb-2024**	**04-Mar-2024**	22-Aug-2024	✓	**05-Mar-2024**	22-Aug-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) QA11a	**24-Feb-2024**	**04-Mar-2024**	22-Aug-2024	✓	**05-Mar-2024**	22-Aug-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) QA11a	**24-Feb-2024**	**04-Mar-2024**	22-Aug-2024	✓	**05-Mar-2024**	22-Aug-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Dissolved Mercury by FIMS	EG035F	2	16	**12.50**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	2	12	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	5	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	1	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	1	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	2	12	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	6	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	5	**40.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	2	5	**40.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Dissolved Mercury by FIMS	EG035F	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	3	12	**25.00**	**15.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	3	11	**27.27**	**15.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Dissolved Mercury by FIMS	EG035F	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	1	**100.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Method Blanks (MB) - Continued							
TRH Volatiles/BTEX	EP080	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Dissolved Mercury by FIMS	EG035F	1	16	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	5	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	0	1	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	0	1	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	1	12	**8.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Phosphorus as P By Discrete Analyser	EK067G	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	0	6	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Dissolved Metals by ICP-MS - Suite A	EG020A-F	WATER	In house: Referenced to APHA 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020. Samples are 0.45µm filtered prior to analysis. The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector.
Dissolved Mercury by FIMS	EG035F	WATER	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) Samples are 0.45µm filtered prior to analysis. FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the filtered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3).
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	WATER	In house: Referenced to APHA 4500-NO3- F. Combined oxidised Nitrogen (NO2+NO3) is determined by Chemical Reduction and direct colourimetry by Discrete Analyser. This method is compliant with NEPM Schedule B(3)
Total Kjeldahl Nitrogen as N By Discrete Analyser	EK061G	WATER	In house: Referenced to APHA 4500-Norg D (In house). An aliquot of sample is digested using a high temperature Kjeldahl digestion to convert nitrogenous compounds to ammonia. Ammonia is determined colorimetrically by discrete analyser. This method is compliant with NEPM Schedule B(3)
Total Nitrogen as N (TKN + Nox) By Discrete Analyser	EK062G	WATER	In house: Referenced to APHA 4500-Norg / 4500-NO3-. This method is compliant with NEPM Schedule B(3)
Total Phosphorus as P By Discrete Analyser	EK067G	WATER	In house: Referenced to APHA 4500-P H, Jirka et al, Zhang et al. This procedure involves sulphuric acid digestion of a sample aliquot to break phosphorus down to orthophosphate. The orthophosphate reacts with ammonium molybdate and antimony potassium tartrate to form a complex which is then reduced and its concentration measured at 880nm using discrete analyser. This method is compliant with NEPM Schedule B(3)
Polychlorinated Biphenyls (PCB)	EP066	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
Pesticides by GCMS	EP068	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH - Semivolatile Fraction	EP071	WATER	In house: Referenced to USEPA SW 846 - 8015 The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM Schedule B(3)
Volatile Organic Compounds	EP074	WATER	In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)

Analytical Methods	Method	Matrix	Method Descriptions
TRH Volatiles/BTEX	EP080	WATER	In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM Schedule B(3)
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.3, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
TKN/TP Digestion	EK061/EK067	WATER	In house: Referenced to APHA 4500 Norg - D; APHA 4500 P - H. This method is compliant with NEPM Schedule B(3)
Separatory Funnel Extraction of Liquids	ORG14	WATER	In house: Referenced to USEPA SW 846 - 3510 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM Schedule B(3) . ALS default excludes sediment which may be resident in the container.
Volatiles Water Preparation	ORG16-W	WATER	A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for purging.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2406719**	Page	: 1 of 13
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: Pauline Voukidis	Contact	: Katie Davis
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: 30018043 LEPPINGTON- Adjacent Lots	Date Samples Received	: 29-Feb-2024 13:40
Order number	: 30018043	Date Analysis Commenced	: 04-Mar-2024
C-O-C number	: ----	Issue Date	: 07-Mar-2024 18:00
Sampler	: JP, PV		
Site	: RICKARD ROAD, LEPPINGTON		
Quote number	: EN-111		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP075 (SIM): Where reported, Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.
- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20ml or 125ml bottles have been tested in accordance with the QSM5.3 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP074: Where reported, Total Trihalomethanes is the sum of the reported concentrations of all Trihalomethanes at or above the LOR.
- EP074: Where reported, Total Trimethylbenzenes is the sum of the reported concentrations of 1.2.3-Trimethylbenzene, 1.2.4-Trimethylbenzene and 1.3.5-Trimethylbenzene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EK067G: LOR raised for TP due to sample matrix.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS (Australian HEPA) and also conform to QSM 5.3 (US DoD) requirements.

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EG020F: Dissolved Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L		**0.008**	----	----	----	----
Cadmium	7440-43-9	0.0001	mg/L		**0.0001**	----	----	----	----
Chromium	7440-47-3	0.001	mg/L		<0.001	----	----	----	----
Copper	7440-50-8	0.001	mg/L		**0.003**	----	----	----	----
Nickel	7440-02-0	0.001	mg/L		**0.035**	----	----	----	----
Lead	7439-92-1	0.001	mg/L		<0.001	----	----	----	----
Zinc	7440-66-6	0.005	mg/L		**0.037**	----	----	----	----
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	----	----	----	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		**0.76**	----	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		**1.8**	----	----	----	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ **Total Nitrogen as N**	----	0.1	mg/L		**2.6**	----	----	----	----
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		<0.10	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
^ **Total Polychlorinated biphenyls**	----	1	µg/L		<1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L		<0.5	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L		<0.5	----	----	----	----
beta-BHC	319-85-7	0.5	µg/L		<0.5	----	----	----	----
gamma-BHC	58-89-9	0.5	µg/L		<0.5	----	----	----	----
delta-BHC	319-86-8	0.5	µg/L		<0.5	----	----	----	----
Heptachlor	76-44-8	0.5	µg/L		<0.5	----	----	----	----
Aldrin	309-00-2	0.5	µg/L		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
Heptachlor epoxide	1024-57-3	0.5	µg/L		<0.5	----	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L		<0.5	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L		<0.5	----	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L		<0.5	----	----	----	----
Dieldrin	60-57-1	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDE	72-55-9	0.5	µg/L		<0.5	----	----	----	----
Endrin	72-20-8	0.5	µg/L		<0.5	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDD	72-54-8	0.5	µg/L		<0.5	----	----	----	----
Endrin aldehyde	7421-93-4	0.5	µg/L		<0.5	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	µg/L		<0.5	----	----	----	----
4.4`-DDT	50-29-3	2.0	µg/L		<2.0	----	----	----	----
Endrin ketone	53494-70-5	0.5	µg/L		<0.5	----	----	----	----
Methoxychlor	72-43-5	2.0	µg/L		<2.0	----	----	----	----
^ **Total Chlordane (sum)**	----	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.5	µg/L		<0.5	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.5	µg/L		<0.5	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L		<0.5	----	----	----	----
Demeton-S-methyl	919-86-8	0.5	µg/L		<0.5	----	----	----	----
Monocrotophos	6923-22-4	2.0	µg/L		<2.0	----	----	----	----
Dimethoate	60-51-5	0.5	µg/L		<0.5	----	----	----	----
Diazinon	333-41-5	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L		<0.5	----	----	----	----
Parathion-methyl	298-00-0	2.0	µg/L		<2.0	----	----	----	----
Malathion	121-75-5	0.5	µg/L		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued									
Fenthion	55-38-9	0.5	µg/L		<0.5	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	µg/L		<0.5	----	----	----	----
Parathion	56-38-2	2.0	µg/L		<2.0	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	µg/L		<0.5	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	µg/L		<0.5	----	----	----	----
Bromophos-ethyl	4824-78-6	0.5	µg/L		<0.5	----	----	----	----
Fenamiphos	22224-92-6	0.5	µg/L		<0.5	----	----	----	----
Prothiofos	34643-46-4	0.5	µg/L		<0.5	----	----	----	----
Ethion	563-12-2	0.5	µg/L		<0.5	----	----	----	----
Carbophenothion	786-19-6	0.5	µg/L		<0.5	----	----	----	----
Azinphos Methyl	86-50-0	0.5	µg/L		<0.5	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	5	µg/L		<5	----	----	----	----
Isopropylbenzene	98-82-8	5	µg/L		<5	----	----	----	----
n-Propylbenzene	103-65-1	5	µg/L		<5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	5	µg/L		<5	----	----	----	----
sec-Butylbenzene	135-98-8	5	µg/L		<5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	5	µg/L		<5	----	----	----	----
tert-Butylbenzene	98-06-6	5	µg/L		<5	----	----	----	----
p-Isopropyltoluene	99-87-6	5	µg/L		<5	----	----	----	----
n-Butylbenzene	104-51-8	5	µg/L		<5	----	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	50	µg/L		<50	----	----	----	----
2-Butanone (MEK)	78-93-3	50	µg/L		<50	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L		<50	----	----	----	----
2-Hexanone (MBK)	591-78-6	50	µg/L		<50	----	----	----	----
EP074C: Sulfonated Compounds									

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP074C: Sulfonated Compounds - Continued									
Carbon disulfide	75-15-0	5	µg/L		<5	----	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	5	µg/L		<5	----	----	----	----
1.2-Dichloropropane	78-87-5	5	µg/L		<5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	5	µg/L		<5	----	----	----	----
trans-1.3-Dichloropropylene	10061-02-6	5	µg/L		<5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	5	µg/L		<5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	50	µg/L		<50	----	----	----	----
Chloromethane	74-87-3	50	µg/L		<50	----	----	----	----
Vinyl chloride	75-01-4	50	µg/L		<50	----	----	----	----
Bromomethane	74-83-9	50	µg/L		<50	----	----	----	----
Chloroethane	75-00-3	50	µg/L		<50	----	----	----	----
Trichlorofluoromethane	75-69-4	50	µg/L		<50	----	----	----	----
1.1-Dichloroethene	75-35-4	5	µg/L		<5	----	----	----	----
Iodomethane	74-88-4	5	µg/L		<5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	5	µg/L		<5	----	----	----	----
1.1-Dichloroethane	75-34-3	5	µg/L		<5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	5	µg/L		<5	----	----	----	----
1.1.1-Trichloroethane	71-55-6	5	µg/L		<5	----	----	----	----
1.1-Dichloropropylene	563-58-6	5	µg/L		<5	----	----	----	----
Carbon Tetrachloride	56-23-5	5	µg/L		<5	----	----	----	----
1.2-Dichloroethane	107-06-2	5	µg/L		<5	----	----	----	----
Trichloroethene	79-01-6	5	µg/L		<5	----	----	----	----
Dibromomethane	74-95-3	5	µg/L		<5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	5	µg/L		<5	----	----	----	----
1.3-Dichloropropane	142-28-9	5	µg/L		<5	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
Tetrachloroethene	127-18-4	5	µg/L		<5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L		<5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L		<5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L		<5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L		<5	----	----	----	----
1.2.3-Trichloropropane	96-18-4	5	µg/L		<5	----	----	----	----
Pentachloroethane	76-01-7	5	µg/L		<5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L		<5	----	----	----	----
Hexachlorobutadiene	87-68-3	5	µg/L		<5	----	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	5	µg/L		<5	----	----	----	----
Bromobenzene	108-86-1	5	µg/L		<5	----	----	----	----
2-Chlorotoluene	95-49-8	5	µg/L		<5	----	----	----	----
4-Chlorotoluene	106-43-4	5	µg/L		<5	----	----	----	----
1.3-Dichlorobenzene	541-73-1	5	µg/L		<5	----	----	----	----
1.4-Dichlorobenzene	106-46-7	5	µg/L		<5	----	----	----	----
1.2-Dichlorobenzene	95-50-1	5	µg/L		<5	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	5	µg/L		<5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	5	µg/L		<5	----	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	5	µg/L		<5	----	----	----	----
Bromodichloromethane	75-27-4	5	µg/L		<5	----	----	----	----
Dibromochloromethane	124-48-1	5	µg/L		<5	----	----	----	----
Bromoform	75-25-2	5	µg/L		<5	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1.0	µg/L		<1.0	----	----	----	----
Acenaphthylene	208-96-8	1.0	µg/L		<1.0	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Acenaphthene	83-32-9	1.0	µg/L		<1.0	----	----	----	----
Fluorene	86-73-7	1.0	µg/L		<1.0	----	----	----	----
Phenanthrene	85-01-8	1.0	µg/L		<1.0	----	----	----	----
Anthracene	120-12-7	1.0	µg/L		<1.0	----	----	----	----
Fluoranthene	206-44-0	1.0	µg/L		<1.0	----	----	----	----
Pyrene	129-00-0	1.0	µg/L		<1.0	----	----	----	----
Benz(a)anthracene	56-55-3	1.0	µg/L		<1.0	----	----	----	----
Chrysene	218-01-9	1.0	µg/L		<1.0	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1.0	µg/L		<1.0	----	----	----	----
Benzo(k)fluoranthene	207-08-9	1.0	µg/L		<1.0	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	µg/L		<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	1.0	µg/L		<1.0	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	1.0	µg/L		<1.0	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	1.0	µg/L		<1.0	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	µg/L		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	µg/L		<0.5	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L		<20	----	----	----	----
C10 - C14 Fraction	----	50	µg/L		<50	----	----	----	----
C15 - C28 Fraction	----	100	µg/L		<100	----	----	----	----
C29 - C36 Fraction	----	50	µg/L		<50	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	µg/L		<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	20	µg/L		<20	----	----	----	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	20	µg/L		<20	----	----	----	----
>C10 - C16 Fraction	----	100	µg/L		<100	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued									
>C16 - C34 Fraction	----	100	µg/L		<100	----	----	----	----
>C34 - C40 Fraction	----	100	µg/L		<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	100	µg/L		<100	----	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	100	µg/L		<100	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	1	µg/L		<1	----	----	----	----
Toluene	108-88-3	2	µg/L		<2	----	----	----	----
Ethylbenzene	100-41-4	2	µg/L		<2	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	----	----	----	----
ortho-Xylene	95-47-6	2	µg/L		<2	----	----	----	----
^ **Total Xylenes**	----	2	µg/L		<2	----	----	----	----
^ **Sum of BTEX**	----	1	µg/L		<1	----	----	----	----
Naphthalene	91-20-3	5	µg/L		<5	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.02**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids - Continued									
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued									
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.02**	----	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	1	%		**80.6**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%		**72.3**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%		**74.3**	----	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	5	%		**91.8**	----	----	----	----
Toluene-D8	2037-26-5	5	%		**108**	----	----	----	----
4-Bromofluorobenzene	460-00-4	5	%		**97.5**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1.0	%		**25.6**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	1.0	%		**52.3**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	1.0	%		**43.3**	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1.0	%		**60.4**	----	----	----	----
Anthracene-d10	1719-06-8	1.0	%		**64.4**	----	----	----	----
4-Terphenyl-d14	1718-51-0	1.0	%		**90.1**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	2	%		**105**	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QA11a	----	----	----	----
				Sampling date / time	24-Feb-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2406719-001	--------	--------	--------	--------
					Result	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates - Continued									
Toluene-D8	2037-26-5	2	%		**120**	**----**	**----**	**----**	**----**
4-Bromofluorobenzene	460-00-4	2	%		**118**	**----**	**----**	**----**	**----**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**110**	**----**	**----**	**----**	**----**
13C8-PFOA	----	0.02	%		**108**	**----**	**----**	**----**	**----**

Surrogate Control Limits

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	45	134
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	50	150
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	50	150
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	78	133
Toluene-D8	2037-26-5	79	129
4-Bromofluorobenzene	460-00-4	81	124
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	10	44
2-Chlorophenol-D4	93951-73-6	14	94
2.4.6-Tribromophenol	118-79-6	17	125
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	20	104
Anthracene-d10	1719-06-8	27	113
4-Terphenyl-d14	1718-51-0	32	112
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	72	143
Toluene-D8	2037-26-5	75	131
4-Bromofluorobenzene	460-00-4	73	137
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

FW: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

Adam Bateup <AdamBateup@eurofins.com>
Mon 2024-02-26 5:16 PM
To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Standard TAT additional for silgel on the below 3 samples please team!

- STP38/0.1
- STP40/0.2
- STP42/0.1

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adambateup@eurofins.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com.au/environmental-testing

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From: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Sent: Monday, February 26, 2024 4:30 PM
To: Adam Bateup <AdamBateup@eurofins.com>
Cc: Steven SHAW <Steven.Shaw@smec.com>; Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Subject: RE: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

Good afternoon Adam,

Could I please get the following samples re-run in TRH silica gel cleanup:

- STP38/0.1
- STP40/0.2
- STP42/0.1

Could you also please advise on if re-running samples in silica gel cleanup for Benzo (a) pyrene would have any effect on the initial result (these would be for STP39/0.1 and SHA16/0.1).

Best regards,

Jordan PETRACCARO
Environmental Scientist - Contaminated Land
E Jordan.Petraccaro@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: AdamBateup@eurofins.com <AdamBateup@eurofins.com>
Sent: Wednesday, February 21, 2024 10:10 AM
To: Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

Please find the attached draft reports. Remaining chemical results to follow tomorrow, with microbial results & final reports on Friday.

Kind regards,
Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: AdamBateup@eurofins.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com/environmental-testing
View our latest EnviroNotes

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www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

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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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NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	SMEC Australia Pty Ltd (SYD)
Contact name:	Steven Shaw
Project name:	ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID:	ADDITIONAL: 30018043
Turnaround time:	5 Day
Date/Time received	Feb 26, 2024 4:30 PM
Eurofins reference	1072946

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : .3 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Order No.:
Report #: 1072946
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 26, 2024 4:30 PM
Due: Mar 4, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Project Name: ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID: ADDITIONAL: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	STP38/0.1	Feb 05, 2024		Soil	S24-Fe0069411	X	X
2	STP40/0.2	Feb 05, 2024		Soil	S24-Fe0069412	X	X
3	STP42/0.1	Feb 05, 2024		Soil	S24-Fe0069413	X	X
Test Counts						3	3

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1072946-S**
Project name ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID ADDITIONAL: 30018043
Received Date Feb 26, 2024

Client Sample ID			**STP38/0.1**	**STP40/0.2**	**STP42/0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Fe0069411**	**S24-Fe0069412**	**S24-Fe0069413**
Date Sampled			**Feb 05, 2024**	**Feb 05, 2024**	**Feb 05, 2024**
Test/Reference	LOR	Unit			
TRH - 2013 NEPM Fractions (after silica gel clean-up)					
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100	< 100	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)					
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
Sample Properties					
% Moisture	1	%	20	18	27

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
TRH - 2013 NEPM Fractions (after silica gel clean-up)	Sydney	Mar 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Mar 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Feb 28, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			

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

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Received: Feb 26, 2024 4:30 PM
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Priority: 5 Day
Contact Name: Steven Shaw

Project Name: ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID: ADDITIONAL: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	STP38/0.1	Feb 05, 2024		Soil	S24-Fe0069411	X	X
2	STP40/0.2	Feb 05, 2024		Soil	S24-Fe0069412	X	X
3	STP42/0.1	Feb 05, 2024		Soil	S24-Fe0069413	X	X
Test Counts						3	3

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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							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	86			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	72			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH >C10-C16 (after silica gel clean-up)	S24-Fe0073761	NCP	%	92			70-130	Pass	
Spike - % Recovery									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH C10-C14 (after silica gel clean-up)	S24-Fe0069411	CP	%	72			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0069171	NCP	%	12	12	2.8	30%	Pass	
Duplicate									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C10-C36 (Total) (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	140	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	.3°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Ursula Long	Analytical Services Manager
Charl Du Preez	Senior Analyst-Organic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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FW: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

Adam Bateup <AdamBateup@eurofins.com>

Mon 2024-02-26 5:16 PM

To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Standard TAT additional for silgel on the below 3 samples please team!

- STP38/0.1
- STP40/0.2
- STP42/0.1

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

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Email: adambateup@eurofins.com
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Website: www.eurofins.com.au/environmental-testing

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From: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Sent: Monday, February 26, 2024 4:30 PM
To: Adam Bateup <AdamBateup@eurofins.com>
Cc: Steven SHAW <Steven.Shaw@smec.com>; Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Subject: RE: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

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Good afternoon Adam,

Could I please get the following samples re-run in TRH silica gel cleanup:

- STP38/0.1
- STP40/0.2
- STP42/0.1

Could you also please advise on if re-running samples in silica gel cleanup for Benzo (a) pyrene would have any effect on the initial result (these would be for STP39/0.1 and SHA16/0.1).

Best regards,

Jordan PETRACCARO
Environmental Scientist - Contaminated Land
E Jordan.Petraccaro@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: AdamBateup@eurofins.com <AdamBateup@eurofins.com>
Sent: Wednesday, February 21, 2024 10:10 AM
To: Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Cc: Jordan PETRACCARO <Jordan.Petraccaro@smec.com>
Subject: Eurofins Test Results - Report 1067428 : Site LEPPINGTON - ADJACENT LOTS (30018043)

Please find the attached draft reports. Remaining chemical results to follow tomorrow, with microbial results & final reports on Friday.

Kind regards,
Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: AdamBateup@eurofins.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com/environmental-testing
View our latest EnviroNotes

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www.eurofins.com.au EnviroSales@eurofins.com

Eurofins Environment Testing Australia Pty Ltd

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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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NATA# 2377
Site# 2370

Eurofins Environment Testing NZ Ltd

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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	SMEC Australia Pty Ltd (SYD)
Contact name:	Steven Shaw
Project name:	ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID:	ADDITIONAL: 30018043
Turnaround time:	5 Day
Date/Time received	Feb 26, 2024 4:30 PM
Eurofins reference	1072946

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : .3 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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

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ABN: 50 005 085 521

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Order No.:
Report #: 1072946
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Feb 26, 2024 4:30 PM
Due: Mar 4, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Project Name: ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID: ADDITIONAL: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	STP38/0.1	Feb 05, 2024		Soil	S24-Fe0069411	X	X
2	STP40/0.2	Feb 05, 2024		Soil	S24-Fe0069412	X	X
3	STP42/0.1	Feb 05, 2024		Soil	S24-Fe0069413	X	X
Test Counts						3	3

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1072946-S**
Project name ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID ADDITIONAL: 30018043
Received Date Feb 26, 2024

Client Sample ID			**STP38/0.1**	**STP40/0.2**	**STP42/0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Fe0069411**	**S24-Fe0069412**	**S24-Fe0069413**
Date Sampled			**Feb 05, 2024**	**Feb 05, 2024**	**Feb 05, 2024**
Test/Reference	LOR	Unit			
TRH - 2013 NEPM Fractions (after silica gel clean-up)					
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100	< 100	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)					
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100
Sample Properties					
% Moisture	1	%	20	18	27

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
TRH - 2013 NEPM Fractions (after silica gel clean-up)	Sydney	Mar 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Mar 01, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Feb 28, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			

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email: EnviroSales@eurofins.com

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Priority: 5 Day
Contact Name: Steven Shaw

Project Name: ADDITIONAL: LEPPINGTON - ADJACENT LOTS
Project ID: ADDITIONAL: 30018043

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	STP38/0.1	Feb 05, 2024		Soil	S24-Fe0069411	X	X
2	STP40/0.2	Feb 05, 2024		Soil	S24-Fe0069412	X	X
3	STP42/0.1	Feb 05, 2024		Soil	S24-Fe0069413	X	X
Test Counts						3	3

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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							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	86			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	72			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH >C10-C16 (after silica gel clean-up)	S24-Fe0073761	NCP	%	92			70-130	Pass	
Spike - % Recovery									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH C10-C14 (after silica gel clean-up)	S24-Fe0069411	CP	%	72			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Fe0069171	NCP	%	12	12	2.8	30%	Pass	
Duplicate									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C10-C36 (Total) (after silica gel clean-up)	S24-Fe0069413	CP	mg/kg	< 100	140	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	.3°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Ursula Long	Analytical Services Manager
Charl Du Preez	Senior Analyst-Organic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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CHAIN OF CUSTODY FORM

SMEC

SMEC OFFICE: SMEC North Sydney	TURNAROUND REQUIREMENTS : X Standard - 5 day TAT		LAB: Eurofins
PROJECT: 30018043 Leppington Delineation			ATTENTION: Adam Balaugi/ Sample Receipt
PROJECT NUMBER: 30018043	LAB QUOTE NO.:	COC SEQUENCE NUMBER (Circle)	DISPATCH TO (ADDRESS & PHONE NO.): Delivery door 2, 179 Magower Rd, Girraween NSW 2145
PROJECT MANAGER: Steven Shaw	CONTACT PH: 0289256841	COC: 1 2 3 4 5 6 7	
SAMPLED BY: Amber Huang, Harrison Wood, Pauline Vouldis		OF: 1 2 3 4 5 6 7	
DATE SAMPLED: 24-25/07/2024	RELINQUISHED BY: DATE/TIME: AHuang 25/07 17:15 (7x eskies)	RECEIVED BY: DATE/TIME:	Brennan 26/7 — RECEIVED BY: DATE/TIME: 5:07pm
Email Reports to (will default to PM if blank): Amber.Huang@smec.com, Harrison.Wood@smec.com,Steven.Shaw@smec.com, Pauline.Vouldis@smec.com			
Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com			
Special Laboratory Instructions: ESDAT format results please			

1.1°C

SAMPLE DETAILS						ANALYSES REQUIRED												COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH (SILICA GEL CLEAN UP)	PAH	Asbestos WA guidelines	TRH/BTEX/STYRENE	1: TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15: OCP, OPP, PCB	8 METALS	B14 (OCP, OPP)	Herbicide (phenoxy acetic acids)	ON HOLD	FORWARD TO ALS	
	FCF2/3-0.2	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-A	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-B	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-C	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-D	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-E	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-F	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	FCF2/3-G	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	FCF2/3-H	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP45-A	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP45-C	7/24/2024	S	1 JAR 1 BAG						x									1 JAR 1 BAG
	STP45-C-ACM01	7/24/2024	ACM	1 BAG													X		1 JAR 1 BAG
	STP45-C-FC	7/24/2024	ACM	1 BAG													X		1 JAR 1 BAG
	STP45-C-0.3	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP45-D	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP45-E	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	BH2-0.3	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	BH2-A	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-B	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-C	7/24/2024	S	1 JAR 1 BAG				X											1 JAR 1 BAG
	BH2-D	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-E	7/24/2024	S	1 JAR 1 BAG				X											1 JAR 1 BAG
	BH2-F	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	FCF100	7/24/2024	ACM	1 BAG													X		1 JAR 1 BAG
	FCF101	7/24/2024	ACM	1 BAG													X		1 JAR 1 BAG
	BH4-0.3	7/24/2024	S	1 JAR 1 BAG													X		1 BAG
	BH4-0.5	7/24/2024	S	1 JAR 1 BAG													X		1 BAG
	BH4-A	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH4-B	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	BH4-C	7/24/2024	S	1 JAR 1 BAG				X		X							X		1 JAR 1 BAG
	BH4-D	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH4-E	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	BH4-F	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	BH4-G	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	BH4-H	7/24/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	T-A	7/24/2024	S	1 JAR				X		x							X		1 JAR 1 BAG
	T-B	7/24/2024	S	1 JAR															1 JAR 1 BAG
	T-C	7/24/2024	S	1 JAR											x	x			1 JAR
	HA-A/0.1	7/24/2024	S	1 JAR											x	x			1 JAR
	HA-A/0.3	7/24/2024	S	1 JAR							X	X			x	x			1 JAR
	HA-A/0.5	7/24/2024	S	1 JAR							X	X							1 JAR
	HA-B/0.1	7/24/2025	S	1 JAR															1 JAR
	HA-B/0.5	7/24/2026	S	1 JAR							X	X					X		1 JAR
	SP1-A	7/24/2024	S	1 JAR 1 BAG													X		
	SP1-B	7/24/2024	S	1 JAR 1 BAG													X		
	SP1-C	7/24/2024	S	1 JAR 1 BAG							X	X							1 JAR 1 BAG
	STP50-0.3	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	STP50-0.5	7/24/2024	S	1 JAR 1 BAG						X							X		1 JAR 1 BAG
	SS-01	7/25/2024	S	1 JAR															1 JAR 1 BAG
	QA10	7/24/2024	S	1 JAR													X		1 JAR 1 BAG
	QA10A	7/24/2024	S	1 JAR											X	X	x		1 JAR
	RINSATE01	7/24/2024	W	4 BOTTLES											X	X			1 JAR
	SOIL TRIP SPIKE 5	7/23/2024	S	1 VIAL							X	X				X			1 JAR, PLEASE FORWARD TO ALS
	SOIL TRIP BLANK 5	7/23/2024	S	1 VIAL															1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
										X									1VIAL exp:06/08/2024
										X									1 VIAL exp:06/08/2024
					0	0	0	9	0	16	2	5	5	0	5	6	24	0	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book

1123575

SMEC

CHAIN OF CUSTODY FORM

SMEC OFFICE: SMEC North Sydney

PROJECT: 30016845 Lepping Lun Delineation

TURNAROUND REQUIREMENTS: X Standard - 5 day TAT

LAB: Eurofins

ATTENTION: Adam Dalley/ Sample Receipt

DISPATCH TO: (ADDRESS & PHONE NO.): Delivery door 2, 179 Magnower Rd, Girraween NSW 2145

PROJECT NUMBER: 30016845

LAB QUOTE NO.:

SDG/ SEQUENCE NUMBER (Case):

PROJECT MANAGER: Steven Shaw

CONTRACT PH: 92615544

SDG: 1 2 3 4 5 6 7

SAMPLED BY: Amber Hoang, Harrison Wood, Pauline Hoskins

DATE SAMPLED: 24-29/7/2024

RELINQUISHED BY: DATE/TIME: Ahoang 29/07 17:10 [Ex eSites] 29/07 12:00 [Ex eSites]

RECEIVED BY: DATE/TIME:

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME:

Email Results to [All] (email to PM if blank): Amber.Hoang@smec.com, Harrison.Wood@smec.com,Steven.Shaw@smec.com, Pauline.Hoskins@smec.com

Email Invoice to [Add details] to PM if SMEC: Accounts.Payable@smec.com

Special Lab/delivery instructions:

EDAT format results please

SAMPLE DETAILS						ANALYSIS REQUIRED											COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH (after pH dosing)	BaP	Asbestos WA guideline	TRH/C6-C9/BTEX	8 METALS	BTEX (ACP, CAPP)	Herbicide (glyphosate acid)- soil/w	OH TCH LT	FORWARD TO ALS	
	STP39-0.3	7/25/2024	S	1 JAR											X		1 JAR
	STP39-A	7/26/2024	S	1 JAR					X								1 JAR
	STP39-B	7/25/2024	S	1 JAR					X								1 JAR
	STP39-C	7/25/2024	S	1 JAR					X								1 JAR
	STP39-D	7/25/2024	S	1 JAR					X								1 JAR
	STP39-E	7/25/2024	S	1 JAR											X		1 JAR
	STP39-F	7/25/2024	S	1 JAR											X		1 JAR
	STP39-G	7/25/2024	S	1 JAR											X		1 JAR
	STP39-H	7/25/2024	S	1 JAR											X		1 JAR
	BH6-0.3	7/25/2024	S	1 JAR				X	X								1 JAR
	BH6-A	7/25/2024	S	1 JAR				X	X								1 JAR
	BH6-B	7/25/2024	S	1 JAR				X	X								1 JAR
	BH6-C	7/25/2024	S	1 JAR				X	X								1 JAR
	BH6-D	7/25/2024	S	1 JAR				X	X								1 JAR
	BH6-E	7/25/2024	S	1 JAR											X		1 JAR
	BH6-F	7/25/2024	S	1 JAR											X		1 JAR
	BH6-G	7/25/2024	S	1 JAR											X		1 JAR
	BH6-H	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-0.2	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-A	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-B	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-C	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-D	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-E	7/25/2024	S	1 JAR											X		1 JAR
	SHA16-F	7/25/2024	S	1 JAR					X								1 JAR
	SHA16-G	7/25/2024	S	1 JAR					X								1 JAR
	SHA16-H	7/25/2024	S	1 JAR											X		1 JAR
	BH9-0.5	7/25/2024	S	1 JAR 1 BAG						X							1 JAR 1 BAG
	BH9-A	7/25/2024	S	1 JAR 1 BAG						X							1 JAR 1 BAG
	BH9-B	7/25/2024	S	1 JAR 1 BAG						X							1 JAR 1 BAG
	BH9-C	7/25/2024	S	1 JAR 1 BAG						X							1 JAR 1 BAG
	BH9-D	7/25/2024	S	1 JAR 1 BAG						X							1 JAR 1 BAG
	BH9-E	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	BH9-F	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	BH9-G	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	BH9-H	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	SS-02	7/25/2024	S	1 JAR							X	X	X				1 JAR
	STP21-0.4	7/25/2024	S	1 JAR		x	x										1 JAR
	STP21-A	7/25/2024	S	1 JAR		x	x										1 JAR
	STP21-B	7/25/2024	S	1 JAR		x	x										1 JAR
	STP21-C	7/25/2024	S	1 JAR		x	x										1 JAR
	STP21-D	7/25/2024	S	1 JAR		x	x										1 JAR
	STP21-E	7/25/2024	S	1 JAR											X		1 JAR
	STP21-F	7/25/2024	S	1 JAR											X		1 JAR
	STP21-G	7/25/2024	S	1 JAR											X		1 JAR
	ACM02-0.3	7/25/2024	S	1 JAR 1 BAG					X								1 JAR 1 BAG
	ACM02-A	7/25/2024	S	1 JAR 1 BAG					X								1 JAR 1 BAG
	ACM02-B	7/25/2024	S	1 JAR 1 BAG					X								1 JAR 1 BAG
	ACM02-C	7/25/2024	S	1 JAR 1 BAG					X								1 JAR 1 BAG
	ACM02-D	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	ACM02-E	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	ACM02-F	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	STP07-0.3	7/25/2024	S	1 JAR 1 BAG			x										1 JAR 1 BAG
	STP07-A	7/25/2024	S	1 JAR 1 BAG			x										1 JAR 1 BAG
	STP07-B	7/25/2024	S	1 JAR 1 BAG			x										1 JAR 1 BAG
	STP07-C	7/25/2024	S	1 JAR 1 BAG			x										1 JAR 1 BAG
	STP07-D	7/25/2024	S	1 JAR 1 BAG			x										1 JAR 1 BAG
	STP07-E	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	STP07-F	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	STP07-G	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	STP07-H	7/25/2024	S	1 JAR 1 BAG											X		1 JAR 1 BAG
	QA11	7/25/2024	S	1 JAR											X		1 JAR
	QA11A	7/25/2024	S	1 JAR											X		1 JAR, PLEASE FORWARD TO ALS
					0	5	10	4	14	5	0	1	1	1	33	0	

Note: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: sent to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book

SMEC

CHAIN OF CUSTODY FORM

SMEC OFFICE: SMEC North Sydney

PROJECT: 30018043 Leppington Delineation

TURNAROUND REQUIREMENTS : X Standard - 5 day TAT

LAB: Eurofins
ATTENTION: Adam Belesa/ Sample Receipt
DISPATCH TO (ADDRESS & PHONE NO.):
Delivery door 2, 179 Magowar Rd, Girraween NSW 2146

PROJECT NUMBER: 30018043

LAB QUOTE NO.:

CONTACT PH: 0290750641

COC SEQUENCE NUMBER (Circle)
COC: 1 2 3 4 5 6 7
OF: 1 2 3 4 5 6 7

PROJECT MANAGER: Steven Shaw

SAMPLED BY: Amber Huang, Harrison Woods, Pradine Voudrolis

DATE SAMPLED: 24-26/7/2024

RELINQUISHED BY: DATE/TIME:
Amber Huang
26/07 17:15 (Tz edited)

RECEIVED BY: DATE/TIME:

Email Reports to (will default to PM if blank): Amber.Huang@smec.com; Harrison.Woods@smec.com; Steven.Shaw@smec.com; Pradine.Voudrolis@smec.com

Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com

Special Laboratory Instructions:

ESDAT format results please

SAMPLE DETAILS						ANALYSIS REQUIRED													COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH (silica gel cleanup)	PAH	Asbestos WA guidelines	TRH/BTEX/CVOC/TEX	BH - TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B15 - OCP, OPP, PCB	B METALS	B14 OCP, OPP)	Herbicide (phenoxy acetic acids)	ON HOLD	FORWARD TO ALS	
	BH30-0.3	7/26/2024	S	1 JAR			X												1 JAR
	BH30-A	7/26/2024	S	1 JAR			X												1 JAR
	BH30-B	7/26/2024	S	1 JAR			X												1 JAR
	BH30-C	7/26/2024	S	1 JAR			X												1 JAR
	BH30-D	7/26/2024	S	1 JAR			X												1 JAR
	BH30-E	7/26/2024	S	1 JAR													X		1 JAR
	BH30-F	7/26/2024	S	1 JAR													X		1 JAR
	BH30-G	7/26/2024	S	1 JAR													X		1 JAR
	BH30-H	7/26/2024	S	1 JAR													X		1 JAR
	STP08-0.3	7/26/2024	S	1 JAR			X												1 JAR
	STP08-A	7/26/2024	S	1 JAR			X												1 JAR
	STP08-B	7/26/2024	S	1 JAR			X												1 JAR
	STP08-C	7/26/2024	S	1 JAR			X												1 JAR
	STP08-D	7/26/2024	S	1 JAR			X												1 JAR
	STP08-E	7/26/2024	S	1 JAR															1 JAR
	STP08-F	7/26/2024	S	1 JAR													X		1 JAR
	STP08-G	7/26/2024	S	1 JAR													X		1 JAR
	STP08-H	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-0.3	7/26/2024	S	1 JAR			X										X		1 JAR
	SHA01-A	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-B	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-C	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-D	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-E	7/26/2024	S	1 JAR															1 JAR
	SHA01-F	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-G	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-H	7/26/2024	S	1 JAR													X		1 JAR
	STP10-0.3	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-A	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-B	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-C	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-D	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-E	7/26/2024	S	1 JAR 1 BAG						X							X		1 JAR 1 BAG
	STP10-F	7/26/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	STP10-G	7/26/2024	S	1 JAR 1 BAG						X							X		1 JAR 1 BAG
	STP10-H	7/26/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	STP10-I	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-O	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-P	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-B-FC	7/26/2024	ACM	1 BAG						X									1 JAR 1 BAG
	STP10-F-FC	7/26/2024	ACM	1 BAG															1 BAG
	STP10-H-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	STP10-I-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	HA-D/0.1-0.2	7/26/2024	S	1 JAR 1 BAG							X	X					X		1 JAR 1 BAG
	HA-D/0.3-0.4	7/26/2024		1 JAR							X	X							1 JAR
	HA-E/0.2-0.3	7/26/2024	S	1 JAR 1 BAG							X	X							1 JAR 1 BAG
	HA-E/0.3-0.4	7/26/2024		1 JAR													X		1 JAR
	HA-F/0.1-0.2	7/26/2024	S	1 JAR 1 BAG							X	X							1 JAR 1 BAG
	HA-F/0.5-0.6	7/26/2024		1 JAR							X	X							1 JAR
	HA-G/0.1-0.2	7/26/2024	S	1 JAR 1 BAG							X	X							1 JAR 1 BAG
	HA-G/0.4-0.5	7/26/2024	S	1 JAR													X		1 JAR
	SS-03	7/26/2024	S	1 JAR													X		
	QA12	7/26/2024	S	1 JAR			X												1 JAR
	QA12A	7/26/2024	S	1 JAR			X											X	1 JAR, PLEASE FORWARD TO ALS
	QA13	7/26/2024	S	1 JAR			X												1 JAR
	QA13A	7/26/2024	S	1 JAR			X											X	1 JAR, PLEASE FORWARD TO ALS
	QA14	7/26/2024	S	1 JAR							X	X							1 JAR
	QA14A	7/26/2024	S	1 JAR							X	X						X	1 JAR, PLEASE FORWARD TO ALS
	RINSATE02	7/26/2024	W	4 BOTTLES							X	X							1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
				TOTAL:	0	0	19	0	0	3	0	9	9	0	0	0	26	3	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: MNES. Acrolein, FELLOW to be placed in project file, PINK: to be retained in CoC book

CHAIN OF CUSTODY FORM

SMEC

SMEC OFFICE: SMEC North Sydney **PROJECT:** 30018043 Leppington Delineation	**TURNAROUND REQUIREMENTS :** X Standard - 5 day TAT	LAB: Eurofins **ATTENTION:** Adam Balcup/ Sample Receipt **DISPATCH TO (ADDRESS & PHONE NO.):** Delivery door 2, 179 Magower Rd, Girraween NSW 2145
PROJECT NUMBER: 30018043	**LAB QUOTE NO.:**	**COC SEQUENCE NUMBER (Circle)**
PROJECT MANAGER: Steven Shaw	**CONTACT PH:** 0299255641	**COC:** 1 2 3 4 5 6 7
SAMPLED BY: Amber Huang, Harrison Wood, Pauline Voulotis		**OF:** 1 2 3 4 5 6 7
DATE SAMPLED: 24-29/07/2024	**RELINQUISHED BY: DATE/TIME:**	**RECEIVED BY: DATE/TIME:**
Email Reports to (will default to PM if blank): Amber.Huang@smec.com, Harrison.Wood@smec.com,Steven.Shaw@smec.com, Pauline.Voulotis@smec.com	AHuang 26/07 17:15 (7x eskies) 29/07 13:50 (3x eskies)	All
Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com		
Special Laboratory Instructions:		
ESDAT format results please		

SAMPLE DETAILS						ANALYSIS REQUIRED														COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH SG/LCA GEL CLEANUP	PAH	Asbestos WA guidelines	TTH(CB+DB)/BTEX	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B16 : OCP, OPP, PCB	B METALS	B14 (OCP, OPP)	Herbicide (phenoxy acetic acids)	ON HOLD	FORWARD TO ALS	
	HA-H/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-H/0.3	7/29/2024	S	1 JAR										X	X	X			1 JAR
	HA-I/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-I/0.3	7/29/2024	S	1 JAR													X		1 JAR
	HA-J/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-J/0.3	7/29/2024	S	1 JAR													x		1 JAR
	HA-K/0.0	7/29/2024	S	1 JAR 1 BAG								X	X			X			1 JAR 1 BAG
	HA-K/0.2	7/29/2024	S	1 JAR													x		1 JAR
	HA-L/0.2	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-L/0.3	7/29/2024	S	1 JAR													x		1 JAR
	HA-M/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-M/0.3	7/29/2024	S	1 JAR													X		1 JAR
	HA-N/0.0	7/29/2024	S	1 JAR 1 BAG								X	X			X			1 JAR 1 BAG
	HA-N/0.2	7/29/2024	S	1 JAR								X	X			X			1 JAR
	HA-O/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-O/0.2	7/29/2024	S	1 JAR													X		1 JAR
	HA-P/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-P/0.4	7/29/2024	S	1 JAR													X		1 JAR
	HA-Q/0.1	7/29/2024	S	1 JAR 1 BAG													x		1 JAR 1 BAG
	HA-Q/0.3	7/29/2024	S	1 JAR										X	X	X			1 JAR
	HA-R/0.0	7/29/2024	S	1 JAR 1 BAG								X	X			X			1 JAR 1 BAG
	HA-R/0.2	7/29/2024	S	1 JAR													X		1 JAR
	HA-S/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-S/0.3	7/29/2024	S	1 JAR													X		1 JAR
	HA-T/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-T/0.3	7/29/2024	S	1 JAR										X	X	X			1 JAR
	HA-U/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-U/0.3	7/29/2024	S	1 JAR													X		1 JAR
	HA-V/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-V/0.3	7/29/2024	S	1 JAR													X		1 JAR
	HA-W/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-W/0.3	7/29/2024	S	1 JAR													x		1 JAR
	HA-C/0.2	7/29/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	HA-C/0.5	7/29/2024	S	1 JAR													x		1 JAR
	QA15	7/29/2024	S	1 JAR										X	X	X			1 JAR
	QA15A	7/29/2024	S	1 JAR										X	X	X		X	1 JAR, PLEASE FORWARD TO ALS
	QA16	7/29/2024	S	1 JAR								X	X			X			1 JAR
	QA16A	7/29/2024	S	1 JAR								X	X			X		X	1 JAR, PLEASE FORWARD TO ALS
	RINSATE03	7/29/2024	W	4 BOTTLES								X	X			X			1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
				TOTAL	0	0	0	0	0	0	0	8	8	17	17	24	14	2	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book

RE: Eurofins Sample Receipt Advice - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

PV
Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
To Adam Bateup; Adam Bateup
Cc Amber HUANG; Steven SHAW

Reply | Reply All | Forward | ...

Tue 6/08/2024 3:21 PM

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

Hi Adam,

Thanks for speaking with me, what we discussed below.

Can we run the following analysis:

- BH04/0.5 – asbestos ID from the jar
  - Confirming this will not impact any other scheduled analysis?
- HA-U/0.0 – asbestos WA on the bag
- HA-U/0.3 – asbestos ID from the jar
  - Confirming this will not impact any other scheduled analysis?

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: Steven Shaw
Project name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043
Turnaround time: 5 Day
Date/Time received Jul 30, 2024 5:07 PM
Eurofins reference 1123575

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 1.1 degrees Celsius.
✗	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✗	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✓	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Samples :"QA10A", "QA11A", "QA12A", "QA13A", "QA14A", "QA15A" & " QA16A" forward to ALS. jars not received for samples "HA-E/0.3-0.4" & " SHA01-G" . Received extra jar sample labelled "SS01/U" , logged on hold. Asbestos bags not received for samples :"BH4-0.5", "BH4-B","BH4-C", " BH4-H"& " STP50-0.3" , Asbestos analysis cancelled. Received extra bag sample labelled:" HAC_0.2" and extra building materials samples labelled as "BH2-C-FC", " ACM_100" & "ACM_101" logged on hold. Additional analysis added to samples BH04/0.5, HA-U/0.0 and HA-U/0.3 as per client email request.

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X								
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	SS01/U	Jul 24, 2024		Soil	S24-Au0002658						X								
2	HAC_0.2	Jul 24, 2024		Soil	S24-Au0009277						X								
3	BH2_C_FC	Jul 24, 2024		Building Materials	S24-Au0009278						X								
4	ACM_100	Jul 24, 2024		Building Materials	S24-Au0009279						X								
5	ACM_101	Jul 24, 2024		Building Materials	S24-Au0009280						X								
6	FCF2/3-0.2	Jul 24, 2024		Soil	S24-Jl0080708		X												
7	FCF2/3-A	Jul 24, 2024		Soil	S24-Jl0080709		X												
8	FCF2/3-B	Jul 24, 2024		Soil	S24-Jl0080710		X												
9	FCF2/3-C	Jul 24, 2024		Soil	S24-Jl0080711		X												
10	FCF2/3-D	Jul 24, 2024		Soil	S24-Jl0080712		X												
11	STP45-A	Jul 24, 2024		Soil	S24-Jl0080713		X												

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
12	STP45-E	Jul 24, 2024		Soil	S24-Jl0080714		X														
13	BH2-0.3	Jul 24, 2024		Soil	S24-Jl0080715		X										X	X			
14	BH2-A	Jul 24, 2024		Soil	S24-Jl0080716		X										X	X			
15	BH2-B	Jul 24, 2024		Soil	S24-Jl0080717												X	X			
16	BH2-C	Jul 24, 2024		Soil	S24-Jl0080718		X										X	X			
17	BH2-D	Jul 24, 2024		Soil	S24-Jl0080719												X	X			
18	BH4-0.5	Jul 24, 2024		Soil	S24-Jl0080720	X											X	X			
19	BH4-B	Jul 24, 2024		Soil	S24-Jl0080721												X	X			
20	BH4-C	Jul 24, 2024		Soil	S24-Jl0080722												X	X			
21	BH4-H	Jul 24, 2024		Soil	S24-Jl0080723												X	X			
22	T-A	Jul 24, 2024		Soil	S24-Jl0080724								X		X			X			
23	T-B	Jul 24, 2024		Soil	S24-Jl0080725								X		X			X			
24	T-C	Jul 24, 2024		Soil	S24-Jl0080726								X		X			X			
25	HA-A/0.1	Jul 24, 2024		Soil	S24-Jl0080727											X		X	X		
26	HA-A/0.3	Jul 24, 2024		Soil	S24-Jl0080728											X		X	X		
27	HA-B/0.1	Jul 24, 2024		Soil	S24-Jl0080729											X		X	X		

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP1-B	Jul 24, 2024		Soil	S24-Jl0080730											X		X	X		
29	STP50-0.3	Jul 24, 2024		Soil	S24-Jl0080731				X												
30	QA10	Jul 24, 2024		Soil	S24-Jl0080732								X		X			X			
31	RINSATE01	Jul 24, 2024		Water	S24-Jl0080733								X			X			X		
32	SOIL TRIP SPIKE 5	Jul 23, 2024		Trip Spike (solid)	S24-Jl0080734																X
33	SOIL TRIP BLANK 5	Jul 23, 2024		Trip Blank (solid)	S24-Jl0080735															X	
34	STP39-A	Jul 25, 2024		Soil	S24-Jl0080736			X										X			
35	STP39-B	Jul 25, 2024		Soil	S24-Jl0080737			X										X			
36	STP39-C	Jul 25, 2024		Soil	S24-Jl0080738			X										X			
37	STP39-D	Jul 25, 2024		Soil	S24-Jl0080739			X										X			
38	BH6-A	Jul 25, 2024		Soil	S24-Jl0080740			X									X	X			
39	BH6-B	Jul 25, 2024		Soil	S24-Jl0080741			X									X	X			
40	BH6-C	Jul 25, 2024		Soil	S24-Jl0080742			X									X	X			
41	BH6-D	Jul 25, 2024		Soil	S24-Jl0080743			X									X	X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
42	SHA16-F	Jul 25, 2024		Soil	S24-Jl0080744			X										X			
43	SHA16-G	Jul 25, 2024		Soil	S24-Jl0080745			X										X			
44	BH9-0.5	Jul 25, 2024		Soil	S24-Jl0080746		X														
45	BH9-A	Jul 25, 2024		Soil	S24-Jl0080747		X														
46	BH9-B	Jul 25, 2024		Soil	S24-Jl0080748		X														
47	BH9-C	Jul 25, 2024		Soil	S24-Jl0080749		X														
48	BH9-D	Jul 25, 2024		Soil	S24-Jl0080750		X														
49	SS-02	Jul 25, 2024		Soil	S24-Jl0080751								X	X	X			X			
50	STP21-0.4	Jul 25, 2024		Soil	S24-Jl0080752					X		X						X			
51	STP21-A	Jul 25, 2024		Soil	S24-Jl0080753					X		X						X			
52	STP21-B	Jul 25, 2024		Soil	S24-Jl0080754					X		X						X			
53	STP21-C	Jul 25, 2024		Soil	S24-Jl0080755					X		X						X			
54	STP21-D	Jul 25, 2024		Soil	S24-Jl0080756					X		X						X			
55	ACM02-0.3	Jul 25, 2024		Soil	S24-Jl0080757			X										X			
56	ACM02-A	Jul 25, 2024		Soil	S24-Jl0080758			X										X			
57	ACM02-B	Jul 25, 2024		Soil	S24-Jl0080759			X										X			

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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 & 2780	Site# 25079

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Site# 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	ACM02-C	Jul 25, 2024		Soil	S24-Jl0080760			X										X			
59	STP07-0.3	Jul 25, 2024		Soil	S24-Jl0080761							X						X			
60	STP07-A	Jul 25, 2024		Soil	S24-Jl0080762							X						X			
61	STP07-B	Jul 25, 2024		Soil	S24-Jl0080763							X						X			
62	STP07-C	Jul 25, 2024		Soil	S24-Jl0080764							X						X			
63	STP07-D	Jul 25, 2024		Soil	S24-Jl0080765							X						X			
64	BH30-0.3	Jul 26, 2024		Soil	S24-Jl0080766							X						X			
65	BH30-A	Jul 26, 2024		Soil	S24-Jl0080767							X						X			
66	BH30-B	Jul 26, 2024		Soil	S24-Jl0080768							X						X			
67	BH30-C	Jul 26, 2024		Soil	S24-Jl0080769							X						X			
68	BH30-D	Jul 26, 2024		Soil	S24-Jl0080770							X						X			
69	STP08-0.3	Jul 26, 2024		Soil	S24-Jl0080771							X						X			
70	STP08-A	Jul 26, 2024		Soil	S24-Jl0080772							X						X			
71	STP08-B	Jul 26, 2024		Soil	S24-Jl0080773							X						X			
72	STP08-C	Jul 26, 2024		Soil	S24-Jl0080774							X						X			
73	STP08-D	Jul 26, 2024		Soil	S24-Jl0080775							X						X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
74	SHA01-0.3	Jul 26, 2024		Soil	S24-Jl0080776							X						X			
75	SHA01-A	Jul 26, 2024		Soil	S24-Jl0080777							X						X			
76	SHA01-B	Jul 26, 2024		Soil	S24-Jl0080778							X						X			
77	SHA01-C	Jul 26, 2024		Soil	S24-Jl0080779							X						X			
78	SHA01-D	Jul 26, 2024		Soil	S24-Jl0080780							X						X			
79	STP10-E	Jul 26, 2024		Soil	S24-Jl0080781		X														
80	STP10-G	Jul 26, 2024		Soil	S24-Jl0080782		X														
81	STP10-P	Jul 26, 2024		Soil	S24-Jl0080783		X														
82	HA-D/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080784											X		X	X		
83	HA-D/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080785											X		X	X		
84	HA-E/0.2-0.3	Jul 26, 2024		Soil	S24-Jl0080786											X		X	X		
85	HA-F/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080787											X		X	X		
86	HA-F/0.5-0.6	Jul 26, 2024		Soil	S24-Jl0080788											X		X	X		
87	HA-G/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080789											X		X	X		
88	QA12	Jul 26, 2024		Soil	S24-Jl0080790							X						X			
89	QA13	Jul 26, 2024		Soil	S24-Jl0080791							X						X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: SMEC Australia Pty Ltd (SYD)
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Project ID: 30018043

Order No.:
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Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
90	QA14	Jul 26, 2024		Soil	S24-Jl0080792											X		X	X		
91	RINSATE02	Jul 26, 2024		Water	S24-Jl0080793											X			X		
92	HA-H/0.0	Jul 29, 2024		Soil	S24-Jl0080794								X	X	X			X			
93	HA-H/0.3	Jul 29, 2024		Soil	S24-Jl0080795								X	X	X			X			
94	HA-I/0.1	Jul 29, 2024		Soil	S24-Jl0080796								X	X	X			X			
95	HA-J/0.1	Jul 29, 2024		Soil	S24-Jl0080797								X	X	X			X			
96	HA-K/0.0	Jul 29, 2024		Soil	S24-Jl0080798								X			X		X	X		
97	HA-L/0.2	Jul 29, 2024		Soil	S24-Jl0080799								X	X	X			X			
98	HA-M/0.0	Jul 29, 2024		Soil	S24-Jl0080800								X	X	X			X			
99	HA-N/0.0	Jul 29, 2024		Soil	S24-Jl0080801								X			X		X	X		
100	HA-N/0.2	Jul 29, 2024		Soil	S24-Jl0080802								X			X		X	X		
101	HA-O/0.1	Jul 29, 2024		Soil	S24-Jl0080803								X	X	X			X			
102	HA-P/0.1	Jul 29, 2024		Soil	S24-Jl0080804								X	X	X			X			
103	HA-Q/0.3	Jul 29, 2024		Soil	S24-Jl0080805								X	X	X			X			
104	HA-R/0.0	Jul 29, 2024		Soil	S24-Jl0080806								X			X		X	X		
105	HA-S/0.1	Jul 29, 2024		Soil	S24-Jl0080807								X	X	X			X			

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
106	HA-T/0.0	Jul 29, 2024		Soil	S24-Jl0080808								X	X	X			X			
107	HA-T/0.3	Jul 29, 2024		Soil	S24-Jl0080809								X	X	X			X			
108	HA-U/0.0	Jul 29, 2024		Soil	S24-Jl0080810		X						X	X	X			X			
109	HA-V/0.1	Jul 29, 2024		Soil	S24-Jl0080811								X	X	X			X			
110	HA-W/0.0	Jul 29, 2024		Soil	S24-Jl0080812								X	X	X			X			
111	HA-C/0.2	Jul 29, 2024		Soil	S24-Jl0080813											X		X	X		
112	QA15	Jul 29, 2024		Soil	S24-Jl0080814								X	X	X			X			
113	QA16	Jul 29, 2024		Soil	S24-Jl0080815								X			X		X	X		
114	RINSATE03	Jul 29, 2024		Water	S24-Jl0080816								X			X			X		
115	FCF2/3-E	Jul 24, 2024		Soil	S24-Jl0080817						X										
116	FCF2/3-F	Jul 24, 2024		Soil	S24-Jl0080818						X										
117	FCF2/3-G	Jul 24, 2024		Soil	S24-Jl0080819						X										
118	FCF2/3-H	Jul 24, 2024		Soil	S24-Jl0080820						X										
119	STP45-C	Jul 24, 2024		Soil	S24-Jl0080821						X										
120	STP45-C-ACM01	Jul 24, 2024		Building Materials	S24-Jl0080822						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
121	STP45-C-FC	Jul 24, 2024		Building Materials	S24-Jl0080823						X										
122	STP45-C-0.3	Jul 24, 2024		Soil	S24-Jl0080824						X										
123	STP45-D	Jul 24, 2024		Soil	S24-Jl0080825						X										
124	BH2-E	Jul 24, 2024		Soil	S24-Jl0080826						X										
125	BH2-F	Jul 24, 2024		Soil	S24-Jl0080827						X										
126	FCF100	Jul 24, 2024		Building Materials	S24-Jl0080828						X										
127	FCF101	Jul 24, 2024		Building Materials	S24-Jl0080829						X										
128	BH4-0.3	Jul 24, 2024		Soil	S24-Jl0080830						X										
129	BH4-A	Jul 24, 2024		Soil	S24-Jl0080831						X										
130	BH4-D	Jul 24, 2024		Soil	S24-Jl0080832						X										
131	BH4-E	Jul 24, 2024		Soil	S24-Jl0080833						X										
132	BH4-F	Jul 24, 2024		Soil	S24-Jl0080834						X										
133	BH4-G	Jul 24, 2024		Soil	S24-Jl0080835						X										
134	HA-A/0.5	Jul 24, 2024		Soil	S24-Jl0080836						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
135	HA-B/0.5	Jul 24, 2024		Soil	S24-Jl0080837						X										
136	SP1-A	Jul 24, 2024		Soil	S24-Jl0080838						X										
137	SP1-C	Jul 24, 2024		Soil	S24-Jl0080839						X										
138	STP50-0.5	Jul 24, 2024		Soil	S24-Jl0080840						X										
139	SS-01	Jul 25, 2024		Soil	S24-Jl0080841						X										
140	STP39-0.3	Jul 25, 2024		Soil	S24-Jl0080843						X										
141	STP39-E	Jul 25, 2024		Soil	S24-Jl0080844						X										
142	STP39-F	Jul 25, 2024		Soil	S24-Jl0080845						X										
143	STP39-G	Jul 25, 2024		Soil	S24-Jl0080846						X										
144	STP39-H	Jul 25, 2024		Soil	S24-Jl0080847						X										
145	BH6-0.3	Jul 25, 2024		Soil	S24-Jl0080848						X										
146	BH6-E	Jul 25, 2024		Soil	S24-Jl0080849						X										
147	BH6-F	Jul 25, 2024		Soil	S24-Jl0080850						X										
148	BH6-G	Jul 25, 2024		Soil	S24-Jl0080851						X										
149	BH6-H	Jul 25, 2024		Soil	S24-Jl0080852						X										
150	SHA16-0.2	Jul 25, 2024		Soil	S24-Jl0080853						X										

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Project ID: 30018043

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
151	SHA16-A	Jul 25, 2024		Soil	S24-Jl0080854						X										
152	SHA16-B	Jul 25, 2024		Soil	S24-Jl0080855						X										
153	SHA16-C	Jul 25, 2024		Soil	S24-Jl0080856						X										
154	SHA16-D	Jul 25, 2024		Soil	S24-Jl0080857						X										
155	SHA16-E	Jul 25, 2024		Soil	S24-Jl0080858						X										
156	SHA16-H	Jul 25, 2024		Soil	S24-Jl0080859						X										
157	BH9-E	Jul 25, 2024		Soil	S24-Jl0080860						X										
158	BH9-F	Jul 25, 2024		Soil	S24-Jl0080861						X										
159	BH9-G	Jul 25, 2024		Soil	S24-Jl0080862						X										
160	BH9-H	Jul 25, 2024		Soil	S24-Jl0080863						X										
161	STP21-E	Jul 25, 2024		Soil	S24-Jl0080864						X										
162	STP21-F	Jul 25, 2024		Soil	S24-Jl0080865						X										
163	STP21-G	Jul 25, 2024		Soil	S24-Jl0080866						X										
164	ACM02-D	Jul 25, 2024		Soil	S24-Jl0080867						X										
165	ACM02-E	Jul 25, 2024		Soil	S24-Jl0080868						X										
166	ACM02-F	Jul 25, 2024		Soil	S24-Jl0080869						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
167	STP07-E	Jul 25, 2024		Soil	S24-Jl0080870						X										
168	STP07-F	Jul 25, 2024		Soil	S24-Jl0080871						X										
169	STP07-G	Jul 25, 2024		Soil	S24-Jl0080872						X										
170	STP07-H	Jul 25, 2024		Soil	S24-Jl0080873						X										
171	QA11	Jul 25, 2024		Soil	S24-Jl0080874						X										
172	BH30-E	Jul 26, 2024		Soil	S24-Jl0080875						X										
173	BH30-F	Jul 26, 2024		Soil	S24-Jl0080876						X										
174	BH30-G	Jul 26, 2024		Soil	S24-Jl0080877						X										
175	BH30-H	Jul 26, 2024		Soil	S24-Jl0080878						X										
176	STP08-E	Jul 26, 2024		Soil	S24-Jl0080879						X										
177	STP08-F	Jul 26, 2024		Soil	S24-Jl0080880						X										
178	STP08-G	Jul 26, 2024		Soil	S24-Jl0080881						X										
179	STP08-H	Jul 26, 2024		Soil	S24-Jl0080882						X										
180	SHA01-E	Jul 26, 2024		Soil	S24-Jl0080883						X										
181	SHA01-F	Jul 26, 2024		Soil	S24-Jl0080884						X										
182	SHA01-G	Jul 26, 2024		Soil	S24-Jl0080885				X												

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
183	SHA01-H	Jul 26, 2024		Soil	S24-Jl0080886						X										
184	STP10-0.3	Jul 26, 2024		Soil	S24-Jl0080887						X										
185	STP10-A	Jul 26, 2024		Soil	S24-Jl0080888						X										
186	STP10-B	Jul 26, 2024		Soil	S24-Jl0080889						X										
187	STP10-C	Jul 26, 2024		Soil	S24-Jl0080890						X										
188	STP10-D	Jul 26, 2024		Soil	S24-Jl0080891						X										
189	STP10-F	Jul 26, 2024		Soil	S24-Jl0080892						X										
190	STP10-H	Jul 26, 2024		Soil	S24-Jl0080893						X										
191	STP10-I	Jul 26, 2024		Soil	S24-Jl0080894						X										
192	STP10-O	Jul 26, 2024		Soil	S24-Jl0080895						X										
193	STP10-B-FC	Jul 26, 2024		Building Materials	S24-Jl0080896						X										
194	STP10-F-FC	Jul 26, 2024		Building Materials	S24-Jl0080897						X										
195	STP10-H-FC	Jul 26, 2024		Building Materials	S24-Jl0080898						X										
196	STP10-I-FC	Jul 26, 2024		Building	S24-Jl0080899						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
				Materials																	
197	HA-E/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080900				X												
198	HA-G/0.4-0.5	Jul 26, 2024		Soil	S24-Jl0080901						X										
199	SS-03	Jul 26, 2024		Soil	S24-Jl0080902						X										
200	HA-I/0.3	Jul 29, 2024		Soil	S24-Jl0080903						X										
201	HA-J/0.3	Jul 29, 2024		Soil	S24-Jl0080904						X										
202	HA-K/0.2	Jul 29, 2024		Soil	S24-Jl0080905						X										
203	HA-L/0.3	Jul 29, 2024		Soil	S24-Jl0080906						X										
204	HA-M/0.3	Jul 29, 2024		Soil	S24-Jl0080907						X										
205	HA-O/0.2	Jul 29, 2024		Soil	S24-Jl0080908						X										
206	HA-P/0.4	Jul 29, 2024		Soil	S24-Jl0080909						X										
207	HA-Q/0.1	Jul 29, 2024		Soil	S24-Jl0080910						X										
208	HA-R/0.2	Jul 29, 2024		Soil	S24-Jl0080911						X										
209	HA-S/0.3	Jul 29, 2024		Soil	S24-Jl0080912						X										
210	HA-U/0.3	Jul 29, 2024		Soil	S24-Jl0080913	X															
211	HA-V/0.3	Jul 29, 2024		Soil	S24-Jl0080914						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
212	HA-W/0.3	Jul 29, 2024		Soil	S24-Jl0080915						X										
213	HA-C/0.5	Jul 29, 2024		Soil	S24-Jl0080916						X										
Test Counts						2	19	14	3	5	101	27	28	17	21	20	13	88	20	1	1

Certificate of Analysis

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Accreditation Number 1261
Site Number 18217

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

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North Sydney
NSW 2060

Attention:	Steven Shaw
Report	1123575-AID
Project Name	30018043 LEPPINGTON DELINEATION
Project ID	30018043
Received Date	Jul 30, 2024
Date Reported	Aug 13, 2024

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Unknown Mineral Fibres	Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity. *NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS4964 requires that these are reported as UMF unless confirmed by an independent technique.*
Subsampling Soil Samples	The whole sample submitted is first dried and then passed through a 10mm sieve followed by a 2mm sieve. All fibrous matter greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.*
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination.The resultant material is then further examined in accordance with AS 4964 - 2004. *NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting	The performance limitation of the AS 4964 (2004) method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos".This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name 30018043 LEPPINGTON DELINEATION
Project ID 30018043
Date Sampled Jul 24, 2024 to Jul 29, 2024
Report 1123575-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
FCF2/3-0.2	24-Jl0080708	Jul 24, 2024	Approximate Sample 577g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FCF2/3-A	24-Jl0080709	Jul 24, 2024	Approximate Sample 446g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FCF2/3-B	24-Jl0080710	Jul 24, 2024	Approximate Sample 638g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FCF2/3-C	24-Jl0080711	Jul 24, 2024	Approximate Sample 439g Sample consisted of: Brown fine-grained clayey soil, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
FCF2/3-D	24-Jl0080712	Jul 24, 2024	Approximate Sample 599g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP45-A	24-Jl0080713	Jul 24, 2024	Approximate Sample 543g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP45-E	24-Jl0080714	Jul 24, 2024	Approximate Sample 657g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH2-0.3	24-Jl0080715	Jul 24, 2024	Approximate Sample 554g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
BH2-A	24-Jl0080716	Jul 24, 2024	Approximate Sample 378g Sample consisted of: Brown fine-grained clayey soil, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH2-C	24-Jl0080718	Jul 24, 2024	Approximate Sample 540g Sample consisted of: Brown fine-grained clayey soil, cement, bitumen, ceramic material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH4-0.5	24-Jl0080720	Jul 24, 2024	Approximate Sample 45g Sample consisted of: Brown coarse-grained clayey sandy soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.
BH9-0.5	24-Jl0080746	Jul 25, 2024	Approximate Sample 723g Sample consisted of: Brown course-grained soil, brick, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH9-A	24-Jl0080747	Jul 25, 2024	Approximate Sample 753g Sample consisted of: Brown course-grained soil, brick, bitumen, ceramic material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH9-B	24-Jl0080748	Jul 25, 2024	Approximate Sample 688g Sample consisted of: Brown course-grained soil, brick, bitumen, ceramic material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH9-C	24-Jl0080749	Jul 25, 2024	Approximate Sample 703g Sample consisted of: Brown fine-grained clayey soil, cement, glass, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
BH9-D	24-Jl0080750	Jul 25, 2024	Approximate Sample 735g Sample consisted of: Brown fine-grained clayey soil, cement, brick, bitumen, ceramic material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP10-E	24-Jl0080781	Jul 26, 2024	Approximate Sample 587g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP10-G	24-Jl0080782	Jul 26, 2024	Approximate Sample 667g Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
STP10-P	24-Jl0080783	Jul 26, 2024	Approximate Sample 591g Sample consisted of: Brown fine-grained clayey soil, corroded metal, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
HA-U/0.0	24-Jl0080810	Jul 29, 2024	Approximate Sample 675g Sample consisted of: Brown coarse-grained clayey sandy soil, bitumen like material and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
HA-U/0.3	24-Jl0080913	Jul 29, 2024	Approximate Sample 49g Sample consisted of: Red brown coarse-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Aug 06, 2024	Indefinite
Asbestos - LTM-ASB-8020	Sydney	Aug 06, 2024	Indefinite

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X								
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID															
1	SS01/U	Jul 24, 2024		Soil	S24-Au0002658						X									
2	HAC_0.2	Jul 24, 2024		Soil	S24-Au0009277						X									
3	BH2_C_FC	Jul 24, 2024		Building Materials	S24-Au0009278						X									
4	ACM_100	Jul 24, 2024		Building Materials	S24-Au0009279						X									
5	ACM_101	Jul 24, 2024		Building Materials	S24-Au0009280						X									
6	FCF2/3-0.2	Jul 24, 2024		Soil	S24-Jl0080708		X													
7	FCF2/3-A	Jul 24, 2024		Soil	S24-Jl0080709		X													
8	FCF2/3-B	Jul 24, 2024		Soil	S24-Jl0080710		X													
9	FCF2/3-C	Jul 24, 2024		Soil	S24-Jl0080711		X													
10	FCF2/3-D	Jul 24, 2024		Soil	S24-Jl0080712		X													
11	STP45-A	Jul 24, 2024		Soil	S24-Jl0080713		X													

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
12	STP45-E	Jul 24, 2024		Soil	S24-Jl0080714		X														
13	BH2-0.3	Jul 24, 2024		Soil	S24-Jl0080715		X										X	X			
14	BH2-A	Jul 24, 2024		Soil	S24-Jl0080716		X										X	X			
15	BH2-B	Jul 24, 2024		Soil	S24-Jl0080717												X	X			
16	BH2-C	Jul 24, 2024		Soil	S24-Jl0080718		X										X	X			
17	BH2-D	Jul 24, 2024		Soil	S24-Jl0080719												X	X			
18	BH4-0.5	Jul 24, 2024		Soil	S24-Jl0080720	X											X	X			
19	BH4-B	Jul 24, 2024		Soil	S24-Jl0080721												X	X			
20	BH4-C	Jul 24, 2024		Soil	S24-Jl0080722												X	X			
21	BH4-H	Jul 24, 2024		Soil	S24-Jl0080723												X	X			
22	T-A	Jul 24, 2024		Soil	S24-Jl0080724								X		X			X			
23	T-B	Jul 24, 2024		Soil	S24-Jl0080725								X		X			X			
24	T-C	Jul 24, 2024		Soil	S24-Jl0080726								X		X			X			
25	HA-A/0.1	Jul 24, 2024		Soil	S24-Jl0080727											X		X	X		
26	HA-A/0.3	Jul 24, 2024		Soil	S24-Jl0080728											X		X	X		
27	HA-B/0.1	Jul 24, 2024		Soil	S24-Jl0080729											X		X	X		

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Project ID: 30018043

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP1-B	Jul 24, 2024		Soil	S24-Jl0080730											X		X	X		
29	STP50-0.3	Jul 24, 2024		Soil	S24-Jl0080731				X												
30	QA10	Jul 24, 2024		Soil	S24-Jl0080732								X		X			X			
31	RINSATE01	Jul 24, 2024		Water	S24-Jl0080733								X			X			X		
32	SOIL TRIP SPIKE 5	Jul 23, 2024		Trip Spike (solid)	S24-Jl0080734																X
33	SOIL TRIP BLANK 5	Jul 23, 2024		Trip Blank (solid)	S24-Jl0080735															X	
34	STP39-A	Jul 25, 2024		Soil	S24-Jl0080736			X										X			
35	STP39-B	Jul 25, 2024		Soil	S24-Jl0080737			X										X			
36	STP39-C	Jul 25, 2024		Soil	S24-Jl0080738			X										X			
37	STP39-D	Jul 25, 2024		Soil	S24-Jl0080739			X										X			
38	BH6-A	Jul 25, 2024		Soil	S24-Jl0080740			X									X	X			
39	BH6-B	Jul 25, 2024		Soil	S24-Jl0080741			X									X	X			
40	BH6-C	Jul 25, 2024		Soil	S24-Jl0080742			X									X	X			
41	BH6-D	Jul 25, 2024		Soil	S24-Jl0080743			X									X	X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
42	SHA16-F	Jul 25, 2024		Soil	S24-Jl0080744			X										X			
43	SHA16-G	Jul 25, 2024		Soil	S24-Jl0080745			X										X			
44	BH9-0.5	Jul 25, 2024		Soil	S24-Jl0080746		X														
45	BH9-A	Jul 25, 2024		Soil	S24-Jl0080747		X														
46	BH9-B	Jul 25, 2024		Soil	S24-Jl0080748		X														
47	BH9-C	Jul 25, 2024		Soil	S24-Jl0080749		X														
48	BH9-D	Jul 25, 2024		Soil	S24-Jl0080750		X														
49	SS-02	Jul 25, 2024		Soil	S24-Jl0080751								X	X	X			X			
50	STP21-0.4	Jul 25, 2024		Soil	S24-Jl0080752					X		X						X			
51	STP21-A	Jul 25, 2024		Soil	S24-Jl0080753					X		X						X			
52	STP21-B	Jul 25, 2024		Soil	S24-Jl0080754					X		X						X			
53	STP21-C	Jul 25, 2024		Soil	S24-Jl0080755					X		X						X			
54	STP21-D	Jul 25, 2024		Soil	S24-Jl0080756					X		X						X			
55	ACM02-0.3	Jul 25, 2024		Soil	S24-Jl0080757			X										X			
56	ACM02-A	Jul 25, 2024		Soil	S24-Jl0080758			X										X			
57	ACM02-B	Jul 25, 2024		Soil	S24-Jl0080759			X										X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	ACM02-C	Jul 25, 2024		Soil	S24-Jl0080760			X										X			
59	STP07-0.3	Jul 25, 2024		Soil	S24-Jl0080761							X						X			
60	STP07-A	Jul 25, 2024		Soil	S24-Jl0080762							X						X			
61	STP07-B	Jul 25, 2024		Soil	S24-Jl0080763							X						X			
62	STP07-C	Jul 25, 2024		Soil	S24-Jl0080764							X						X			
63	STP07-D	Jul 25, 2024		Soil	S24-Jl0080765							X						X			
64	BH30-0.3	Jul 26, 2024		Soil	S24-Jl0080766							X						X			
65	BH30-A	Jul 26, 2024		Soil	S24-Jl0080767							X						X			
66	BH30-B	Jul 26, 2024		Soil	S24-Jl0080768							X						X			
67	BH30-C	Jul 26, 2024		Soil	S24-Jl0080769							X						X			
68	BH30-D	Jul 26, 2024		Soil	S24-Jl0080770							X						X			
69	STP08-0.3	Jul 26, 2024		Soil	S24-Jl0080771							X						X			
70	STP08-A	Jul 26, 2024		Soil	S24-Jl0080772							X						X			
71	STP08-B	Jul 26, 2024		Soil	S24-Jl0080773							X						X			
72	STP08-C	Jul 26, 2024		Soil	S24-Jl0080774							X						X			
73	STP08-D	Jul 26, 2024		Soil	S24-Jl0080775							X						X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
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Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
74	SHA01-0.3	Jul 26, 2024		Soil	S24-Jl0080776							X						X			
75	SHA01-A	Jul 26, 2024		Soil	S24-Jl0080777							X						X			
76	SHA01-B	Jul 26, 2024		Soil	S24-Jl0080778							X						X			
77	SHA01-C	Jul 26, 2024		Soil	S24-Jl0080779							X						X			
78	SHA01-D	Jul 26, 2024		Soil	S24-Jl0080780							X						X			
79	STP10-E	Jul 26, 2024		Soil	S24-Jl0080781		X														
80	STP10-G	Jul 26, 2024		Soil	S24-Jl0080782		X														
81	STP10-P	Jul 26, 2024		Soil	S24-Jl0080783		X														
82	HA-D/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080784											X		X	X		
83	HA-D/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080785											X		X	X		
84	HA-E/0.2-0.3	Jul 26, 2024		Soil	S24-Jl0080786											X		X	X		
85	HA-F/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080787											X		X	X		
86	HA-F/0.5-0.6	Jul 26, 2024		Soil	S24-Jl0080788											X		X	X		
87	HA-G/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080789											X		X	X		
88	QA12	Jul 26, 2024		Soil	S24-Jl0080790							X						X			
89	QA13	Jul 26, 2024		Soil	S24-Jl0080791							X						X			

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Project ID: 30018043

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Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
90	QA14	Jul 26, 2024		Soil	S24-Jl0080792											X		X	X		
91	RINSATE02	Jul 26, 2024		Water	S24-Jl0080793											X			X		
92	HA-H/0.0	Jul 29, 2024		Soil	S24-Jl0080794								X	X	X			X			
93	HA-H/0.3	Jul 29, 2024		Soil	S24-Jl0080795								X	X	X			X			
94	HA-I/0.1	Jul 29, 2024		Soil	S24-Jl0080796								X	X	X			X			
95	HA-J/0.1	Jul 29, 2024		Soil	S24-Jl0080797								X	X	X			X			
96	HA-K/0.0	Jul 29, 2024		Soil	S24-Jl0080798								X			X		X	X		
97	HA-L/0.2	Jul 29, 2024		Soil	S24-Jl0080799								X	X	X			X			
98	HA-M/0.0	Jul 29, 2024		Soil	S24-Jl0080800								X	X	X			X			
99	HA-N/0.0	Jul 29, 2024		Soil	S24-Jl0080801								X			X		X	X		
100	HA-N/0.2	Jul 29, 2024		Soil	S24-Jl0080802								X			X		X	X		
101	HA-O/0.1	Jul 29, 2024		Soil	S24-Jl0080803								X	X	X			X			
102	HA-P/0.1	Jul 29, 2024		Soil	S24-Jl0080804								X	X	X			X			
103	HA-Q/0.3	Jul 29, 2024		Soil	S24-Jl0080805								X	X	X			X			
104	HA-R/0.0	Jul 29, 2024		Soil	S24-Jl0080806								X			X		X	X		
105	HA-S/0.1	Jul 29, 2024		Soil	S24-Jl0080807								X	X	X			X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
106	HA-T/0.0	Jul 29, 2024		Soil	S24-Jl0080808								X	X	X			X			
107	HA-T/0.3	Jul 29, 2024		Soil	S24-Jl0080809								X	X	X			X			
108	HA-U/0.0	Jul 29, 2024		Soil	S24-Jl0080810		X						X	X	X			X			
109	HA-V/0.1	Jul 29, 2024		Soil	S24-Jl0080811								X	X	X			X			
110	HA-W/0.0	Jul 29, 2024		Soil	S24-Jl0080812								X	X	X			X			
111	HA-C/0.2	Jul 29, 2024		Soil	S24-Jl0080813											X		X	X		
112	QA15	Jul 29, 2024		Soil	S24-Jl0080814								X	X	X			X			
113	QA16	Jul 29, 2024		Soil	S24-Jl0080815								X			X		X	X		
114	RINSATE03	Jul 29, 2024		Water	S24-Jl0080816								X			X			X		
115	FCF2/3-E	Jul 24, 2024		Soil	S24-Jl0080817						X										
116	FCF2/3-F	Jul 24, 2024		Soil	S24-Jl0080818						X										
117	FCF2/3-G	Jul 24, 2024		Soil	S24-Jl0080819						X										
118	FCF2/3-H	Jul 24, 2024		Soil	S24-Jl0080820						X										
119	STP45-C	Jul 24, 2024		Soil	S24-Jl0080821						X										
120	STP45-C-ACM01	Jul 24, 2024		Building Materials	S24-Jl0080822						X										

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
121	STP45-C-FC	Jul 24, 2024		Building Materials	S24-Jl0080823						X										
122	STP45-C-0.3	Jul 24, 2024		Soil	S24-Jl0080824						X										
123	STP45-D	Jul 24, 2024		Soil	S24-Jl0080825						X										
124	BH2-E	Jul 24, 2024		Soil	S24-Jl0080826						X										
125	BH2-F	Jul 24, 2024		Soil	S24-Jl0080827						X										
126	FCF100	Jul 24, 2024		Building Materials	S24-Jl0080828						X										
127	FCF101	Jul 24, 2024		Building Materials	S24-Jl0080829						X										
128	BH4-0.3	Jul 24, 2024		Soil	S24-Jl0080830						X										
129	BH4-A	Jul 24, 2024		Soil	S24-Jl0080831						X										
130	BH4-D	Jul 24, 2024		Soil	S24-Jl0080832						X										
131	BH4-E	Jul 24, 2024		Soil	S24-Jl0080833						X										
132	BH4-F	Jul 24, 2024		Soil	S24-Jl0080834						X										
133	BH4-G	Jul 24, 2024		Soil	S24-Jl0080835						X										
134	HA-A/0.5	Jul 24, 2024		Soil	S24-Jl0080836						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
135	HA-B/0.5	Jul 24, 2024		Soil	S24-Jl0080837						X										
136	SP1-A	Jul 24, 2024		Soil	S24-Jl0080838						X										
137	SP1-C	Jul 24, 2024		Soil	S24-Jl0080839						X										
138	STP50-0.5	Jul 24, 2024		Soil	S24-Jl0080840						X										
139	SS-01	Jul 25, 2024		Soil	S24-Jl0080841						X										
140	STP39-0.3	Jul 25, 2024		Soil	S24-Jl0080843						X										
141	STP39-E	Jul 25, 2024		Soil	S24-Jl0080844						X										
142	STP39-F	Jul 25, 2024		Soil	S24-Jl0080845						X										
143	STP39-G	Jul 25, 2024		Soil	S24-Jl0080846						X										
144	STP39-H	Jul 25, 2024		Soil	S24-Jl0080847						X										
145	BH6-0.3	Jul 25, 2024		Soil	S24-Jl0080848						X										
146	BH6-E	Jul 25, 2024		Soil	S24-Jl0080849						X										
147	BH6-F	Jul 25, 2024		Soil	S24-Jl0080850						X										
148	BH6-G	Jul 25, 2024		Soil	S24-Jl0080851						X										
149	BH6-H	Jul 25, 2024		Soil	S24-Jl0080852						X										
150	SHA16-0.2	Jul 25, 2024		Soil	S24-Jl0080853						X										

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project ID: 30018043

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Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
151	SHA16-A	Jul 25, 2024		Soil	S24-Jl0080854						X										
152	SHA16-B	Jul 25, 2024		Soil	S24-Jl0080855						X										
153	SHA16-C	Jul 25, 2024		Soil	S24-Jl0080856						X										
154	SHA16-D	Jul 25, 2024		Soil	S24-Jl0080857						X										
155	SHA16-E	Jul 25, 2024		Soil	S24-Jl0080858						X										
156	SHA16-H	Jul 25, 2024		Soil	S24-Jl0080859						X										
157	BH9-E	Jul 25, 2024		Soil	S24-Jl0080860						X										
158	BH9-F	Jul 25, 2024		Soil	S24-Jl0080861						X										
159	BH9-G	Jul 25, 2024		Soil	S24-Jl0080862						X										
160	BH9-H	Jul 25, 2024		Soil	S24-Jl0080863						X										
161	STP21-E	Jul 25, 2024		Soil	S24-Jl0080864						X										
162	STP21-F	Jul 25, 2024		Soil	S24-Jl0080865						X										
163	STP21-G	Jul 25, 2024		Soil	S24-Jl0080866						X										
164	ACM02-D	Jul 25, 2024		Soil	S24-Jl0080867						X										
165	ACM02-E	Jul 25, 2024		Soil	S24-Jl0080868						X										
166	ACM02-F	Jul 25, 2024		Soil	S24-Jl0080869						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
167	STP07-E	Jul 25, 2024		Soil	S24-Jl0080870						X										
168	STP07-F	Jul 25, 2024		Soil	S24-Jl0080871						X										
169	STP07-G	Jul 25, 2024		Soil	S24-Jl0080872						X										
170	STP07-H	Jul 25, 2024		Soil	S24-Jl0080873						X										
171	QA11	Jul 25, 2024		Soil	S24-Jl0080874						X										
172	BH30-E	Jul 26, 2024		Soil	S24-Jl0080875						X										
173	BH30-F	Jul 26, 2024		Soil	S24-Jl0080876						X										
174	BH30-G	Jul 26, 2024		Soil	S24-Jl0080877						X										
175	BH30-H	Jul 26, 2024		Soil	S24-Jl0080878						X										
176	STP08-E	Jul 26, 2024		Soil	S24-Jl0080879						X										
177	STP08-F	Jul 26, 2024		Soil	S24-Jl0080880						X										
178	STP08-G	Jul 26, 2024		Soil	S24-Jl0080881						X										
179	STP08-H	Jul 26, 2024		Soil	S24-Jl0080882						X										
180	SHA01-E	Jul 26, 2024		Soil	S24-Jl0080883						X										
181	SHA01-F	Jul 26, 2024		Soil	S24-Jl0080884						X										
182	SHA01-G	Jul 26, 2024		Soil	S24-Jl0080885				X												

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
183	SHA01-H	Jul 26, 2024		Soil	S24-Jl0080886						X										
184	STP10-0.3	Jul 26, 2024		Soil	S24-Jl0080887						X										
185	STP10-A	Jul 26, 2024		Soil	S24-Jl0080888						X										
186	STP10-B	Jul 26, 2024		Soil	S24-Jl0080889						X										
187	STP10-C	Jul 26, 2024		Soil	S24-Jl0080890						X										
188	STP10-D	Jul 26, 2024		Soil	S24-Jl0080891						X										
189	STP10-F	Jul 26, 2024		Soil	S24-Jl0080892						X										
190	STP10-H	Jul 26, 2024		Soil	S24-Jl0080893						X										
191	STP10-I	Jul 26, 2024		Soil	S24-Jl0080894						X										
192	STP10-O	Jul 26, 2024		Soil	S24-Jl0080895						X										
193	STP10-B-FC	Jul 26, 2024		Building Materials	S24-Jl0080896						X										
194	STP10-F-FC	Jul 26, 2024		Building Materials	S24-Jl0080897						X										
195	STP10-H-FC	Jul 26, 2024		Building Materials	S24-Jl0080898						X										
196	STP10-I-FC	Jul 26, 2024		Building	S24-Jl0080899						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
				Materials																	
197	HA-E/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080900				X												
198	HA-G/0.4-0.5	Jul 26, 2024		Soil	S24-Jl0080901						X										
199	SS-03	Jul 26, 2024		Soil	S24-Jl0080902						X										
200	HA-I/0.3	Jul 29, 2024		Soil	S24-Jl0080903						X										
201	HA-J/0.3	Jul 29, 2024		Soil	S24-Jl0080904						X										
202	HA-K/0.2	Jul 29, 2024		Soil	S24-Jl0080905						X										
203	HA-L/0.3	Jul 29, 2024		Soil	S24-Jl0080906						X										
204	HA-M/0.3	Jul 29, 2024		Soil	S24-Jl0080907						X										
205	HA-O/0.2	Jul 29, 2024		Soil	S24-Jl0080908						X										
206	HA-P/0.4	Jul 29, 2024		Soil	S24-Jl0080909						X										
207	HA-Q/0.1	Jul 29, 2024		Soil	S24-Jl0080910						X										
208	HA-R/0.2	Jul 29, 2024		Soil	S24-Jl0080911						X										
209	HA-S/0.3	Jul 29, 2024		Soil	S24-Jl0080912						X										
210	HA-U/0.3	Jul 29, 2024		Soil	S24-Jl0080913	X															
211	HA-V/0.3	Jul 29, 2024		Soil	S24-Jl0080914						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
212	HA-W/0.3	Jul 29, 2024		Soil	S24-Jl0080915						X										
213	HA-C/0.5	Jul 29, 2024		Soil	S24-Jl0080916						X										
Test Counts						2	19	14	3	5	101	27	28	17	21	20	13	88	20	1	1

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report with the colour **blue** indicates data provided by customer that may have an impact on the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported. Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**). This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos contained within a non-asbestos matrix, typically presented in bonded (non-friable) condition. For the purposes of the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to “non-bonded / friable”.
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 4964-2004.
Dry	Sample is dried by heating prior to analysis.
DS	Dispersion Staining. Technique required for Unequivocal Identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material that was previously non-friable and in a severely degraded condition. For the purposes of the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to visibly distinguish and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the purposes of the NEPM, this includes both AF and FA. It is outside of the laboratory’s remit to assess degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021).
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012).
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified in accordance with AS 4964-2004.
PCM	Phase Contrast Microscopy. As used for Fibre Counting according to the MFM.
PLM	Polarised Light Microscopy. As used for Fibre Identification and Trace Analysis according to AS 4964-2004.
Sampling	Unless otherwise stated Eurofins are not responsible for sampling equipment or the sampling process.
SMF	Synthetic Mineral Fibre Detected. SMF may also refer to Man Made Vitreous Fibres. Identified in accordance with AS 4964-2004.
SRA	Sample Receipt Advice.
Trace Analysis	Analytical procedure used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
UMF	Unidentified Mineral Fibre Detected. Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according the AS 4964-2004. May include (but not limited to) Actinolite, Anthophyllite or Tremolite asbestos.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

24-Jl0080709, 24-Jl0080711, 24-Jl0080716: Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

24-Jl0080720 and 24-Jl0080913: The samples received were not collected in an approved asbestos bags and was therefore sub-sampled from the 250mL glass jar. Valid sub-sampling procedures were applied so as to ensure that the sub-sample to be analysed accurately represented the sample received.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	1.1°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Sayeed Abu	Senior Analyst-Asbestos
Laxman Dias	Senior Analyst-Asbestos

Authorised by:

Laxman Dias	Senior Analyst-Asbestos
Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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Attention: **Steven Shaw**

Report **1123575-S**
Project name 30018043 LEPPINGTON DELINEATION
Project ID 30018043
Received Date Jul 30, 2024

Client Sample ID			**BH2-0.3**	**BH2-A**	**BH2-B**	**BH2-C**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-JI0080715**	**S24-JI0080716**	**S24-JI0080717**	**S24-JI0080718**
Date Sampled			**Jul 24, 2024**	**Jul 24, 2024**	**Jul 24, 2024**	**Jul 24, 2024**
Test/Reference	LOR	Unit				
TRH - 2013 NEPM Fractions (after silica gel clean-up)						
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100	< 100	110	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100	< 100	170	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100	< 100	280	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)						
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
Sample Properties						
% Moisture	1	%	18	22	11	17

Client Sample ID			**BH2-D**	**BH4-0.5**	**BH4-B**	**BH4-C**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-JI0080719**	**S24-JI0080720**	**S24-JI0080721**	**S24-JI0080722**
Date Sampled			**Jul 24, 2024**	**Jul 24, 2024**	**Jul 24, 2024**	**Jul 24, 2024**
Test/Reference	LOR	Unit				
TRH - 2013 NEPM Fractions (after silica gel clean-up)						
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100	< 100	< 100	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)						
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	< 100
Sample Properties						
% Moisture	1	%	13	22	8.3	18

Client Sample ID			BH4-H	T-A	T-B	[G01]T-C
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Jl0080723	S24-Jl0080724	S24-Jl0080725	S24-Jl0080726
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
TRH - 2013 NEPM Fractions (after silica gel clean-up)						
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	-	-	-
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	140	-	-	-
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	240	-	-	-
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	380	-	-	-
TRH - 1999 NEPM Fractions (after silica gel clean-up)						
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	-	-	-
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	-	-	-
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	160	-	-	-
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	160	-	-	-
Sample Properties						
% Moisture	1	%	7.3	25	30	31
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	-	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	-	103	84	INT
Tetrachloro-m-xylene (surr.)	1	%	-	70	74	68
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	-	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5

Client Sample ID			BH4-H	T-A	T-B	[G01]T-C
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080723	S24-JI0080724	S24-JI0080725	S24-JI0080726
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	-	< 2	< 2	< 5
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	-	< 2	< 2	< 5
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	-	88	81	63
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	-	135	131	132

Client Sample ID			[G01]HA-A/0.1	HA-A/0.3	HA-B/0.1	[G01]SP1-B
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080727	S24-JI0080728	S24-JI0080729	S24-JI0080730
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	6.9	20	22	< 1
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
a-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 0.5	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.05	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 0.1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	53	88	90	67
Tetrachloro-m-xylene (surr.)	1	%	69	98	74	84
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.2	1.9	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 5	< 2	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5

Client Sample ID			[G01]HA-A/0.1	HA-A/0.3	HA-B/0.1	[G01]SP1-B
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080727	S24-JI0080728	S24-JI0080729	S24-JI0080730
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Malathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 5	< 2	< 2	< 5
Naled	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Omethoate	2	mg/kg	< 5	< 2	< 2	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.2	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	58	92	65	54
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	89	< 50	< 50	710
TRH C29-C36	50	mg/kg	230	54	< 50	970
TRH C10-C36 (Total)	50	mg/kg	319	54	< 50	1680
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	250	< 100	< 100	1400
TRH >C34-C40	100	mg/kg	300	< 100	< 100	1000
TRH >C10-C40 (total)*	100	mg/kg	550	< 100	< 100	2400
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			[G01]HA-A/0.1	HA-A/0.3	HA-B/0.1	[G01]SP1-B
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Jl0080727	S24-Jl0080728	S24-Jl0080729	S24-Jl0080730
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	INT	113	109	109
Toluene-d8 (surr.)	1	%	INT	101	100	97
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
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

Client Sample ID			[G01]HA-A/0.1	HA-A/0.3	HA-B/0.1	[G01]SP1-B
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080727	S24-JI0080728	S24-JI0080729	S24-JI0080730
Date Sampled			Jul 24, 2024	Jul 24, 2024	Jul 24, 2024	Jul 24, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	60	91	71	73
p-Terphenyl-d14 (surr.)	1	%	57	91	58	57
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	53	88	90	67
Tetrachloro-m-xylene (surr.)	1	%	69	98	74	84
Heavy Metals						
Arsenic	2	mg/kg	2.4	6.6	7.0	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	10	22	22	9.3
Copper	5	mg/kg	56	24	31	16
Lead	5	mg/kg	7.9	21	24	31
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	18	9.5	12	11
Zinc	5	mg/kg	61	41	78	29

Client Sample ID			QA10	SOIL TRIP SPIKE 5	SOIL TRIP BLANK 5	STP39-A
Sample Matrix			Soil	Trip Spike (solid)	Trip Blank (solid)	Soil
Eurofins Sample No.			S24-JI0080732	S24-JI0080734	S24-JI0080735	S24-JI0080736
Date Sampled			Jul 24, 2024	Jul 23, 2024	Jul 23, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	32	-	-	34

Client Sample ID			QA10	SOIL TRIP SPIKE 5	SOIL TRIP BLANK 5	STP39-A
Sample Matrix			Soil	Trip Spike (solid)	Trip Blank (solid)	Soil
Eurofins Sample No.			S24-JI0080732	S24-JI0080734	S24-JI0080735	S24-JI0080736
Date Sampled			Jul 24, 2024	Jul 23, 2024	Jul 23, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-HCH	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-HCH	0.05	mg/kg	< 0.05	-	-	-
d-HCH	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxaphene	0.5	mg/kg	< 0.5	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	104	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	68	-	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID			QA10	SOIL TRIP SPIKE 5	SOIL TRIP BLANK 5	STP39-A
Sample Matrix			Soil	Trip Spike (solid)	Trip Blank (solid)	Soil
Eurofins Sample No.			S24-JI0080732	S24-JI0080734	S24-JI0080735	S24-JI0080736
Date Sampled			Jul 24, 2024	Jul 23, 2024	Jul 23, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	86	-	-	-
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	-	-	-
2.4-DB	0.5	mg/kg	< 0.5	-	-	-
2.4.5-T	0.5	mg/kg	< 0.5	-	-	-
2.4.5-TP	0.5	mg/kg	< 0.5	-	-	-
Actril (loxynil)	0.5	mg/kg	< 0.5	-	-	-
Dicamba	0.5	mg/kg	< 0.5	-	-	-
Dichlorprop	0.5	mg/kg	< 0.5	-	-	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	-	-	-
Dinoseb	0.5	mg/kg	< 0.5	-	-	-
MCPA	0.5	mg/kg	< 0.5	-	-	-
MCPB	0.5	mg/kg	< 0.5	-	-	-
Mecoprop	0.5	mg/kg	< 0.5	-	-	-
Warfarin (surr.)	1	%	129	-	-	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
TRH C6-C10	1	%	-	76	-	-
Total Recoverable Hydrocarbons						
Naphthalene	1	%	-	77	-	-
TRH C6-C9	1	%	-	76	-	-
BTEX						
Benzene	1	%	-	98	-	-
Ethylbenzene	1	%	-	80	-	-
m&p-Xylenes	1	%	-	74	-	-
o-Xylene	1	%	-	77	-	-
Toluene	1	%	-	80	-	-
Xylenes - Total	1	%	-	76	-	-
4-Bromofluorobenzene (surr.)	1	%	-	135	-	-

Client Sample ID			QA10	SOIL TRIP SPIKE 5	SOIL TRIP BLANK 5	STP39-A
Sample Matrix			Soil	Trip Spike (solid)	Trip Blank (solid)	Soil
Eurofins Sample No.			S24-JI0080732	S24-JI0080734	S24-JI0080735	S24-JI0080736
Date Sampled			Jul 24, 2024	Jul 23, 2024	Jul 23, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	87	-
BTEX and Naphthalene						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			STP39-B	STP39-C	STP39-D	BH6-A
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080737	S24-JI0080738	S24-JI0080739	S24-JI0080740
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
TRH - 2013 NEPM Fractions (after silica gel clean-up)						
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	-	-	-	< 50
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	-	-	-	< 100
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	-	-	-	< 100
TRH - 1999 NEPM Fractions (after silica gel clean-up)						
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	-	-	-	< 50
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	-	-	-	< 100
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	-	-	-	< 100
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	-	-	-	< 100
Sample Properties						
% Moisture	1	%	13	27	13	13
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH6-B	BH6-C	BH6-D	SHA16-F
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080741	S24-JI0080742	S24-JI0080743	S24-JI0080744
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
TRH - 2013 NEPM Fractions (after silica gel clean-up)						
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	-
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	< 100	< 100	< 100	-
TRH - 1999 NEPM Fractions (after silica gel clean-up)						
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	< 50	-
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	-
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	-
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	< 100	< 100	< 100	-

Client Sample ID			BH6-B	BH6-C	BH6-D	SHA16-F
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080741	S24-JI0080742	S24-JI0080743	S24-JI0080744
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	18	12	15	9.6
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			SHA16-G	SS-02	STP21-0.4	STP21-A
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080745	S24-JI0080751	S24-JI0080752	S24-JI0080753
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	21	16	27	22
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	58	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	68	-	-
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	-	-

Client Sample ID			SHA16-G	SS-02	STP21-0.4	STP21-A
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080745	S24-JI0080751	S24-JI0080752	S24-JI0080753
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Diazinon	0.2	mg/kg	-	< 0.2	-	-
Dichlorvos	0.2	mg/kg	-	< 0.2	-	-
Dimethoate	0.2	mg/kg	-	< 0.2	-	-
Disulfoton	0.2	mg/kg	-	< 0.2	-	-
EPN	0.2	mg/kg	-	< 0.2	-	-
Ethion	0.2	mg/kg	-	< 0.2	-	-
Ethoprop	0.2	mg/kg	-	< 0.2	-	-
Ethyl parathion	0.2	mg/kg	-	< 0.2	-	-
Fenitrothion	0.2	mg/kg	-	< 0.2	-	-
Fensulfothion	0.2	mg/kg	-	< 0.2	-	-
Fenthion	0.2	mg/kg	-	< 0.2	-	-
Malathion	0.2	mg/kg	-	< 0.2	-	-
Merphos	0.2	mg/kg	-	< 0.2	-	-
Methyl parathion	0.2	mg/kg	-	< 0.2	-	-
Mevinphos	0.2	mg/kg	-	< 0.2	-	-
Monocrotophos	2	mg/kg	-	< 2	-	-
Naled	0.2	mg/kg	-	< 0.2	-	-
Omethoate	2	mg/kg	-	< 2	-	-
Phorate	0.2	mg/kg	-	< 0.2	-	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	-	-
Pyrazophos	0.2	mg/kg	-	< 0.2	-	-
Ronnel	0.2	mg/kg	-	< 0.2	-	-
Terbufos	0.2	mg/kg	-	< 0.2	-	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	-
Tokuthion	0.2	mg/kg	-	< 0.2	-	-
Trichloronate	0.2	mg/kg	-	< 0.2	-	-
Triphenylphosphate (surr.)	1	%	-	57	-	-
Acid Herbicides						
2.4-D	0.5	mg/kg	-	< 0.5	-	-
2.4-DB	0.5	mg/kg	-	< 0.5	-	-
2.4.5-T	0.5	mg/kg	-	< 0.5	-	-
2.4.5-TP	0.5	mg/kg	-	< 0.5	-	-
Actril (loxynil)	0.5	mg/kg	-	< 0.5	-	-
Dicamba	0.5	mg/kg	-	< 0.5	-	-
Dichlorprop	0.5	mg/kg	-	< 0.5	-	-
Dinitro-o-cresol	0.5	mg/kg	-	< 0.5	-	-
Dinoseb	0.5	mg/kg	-	< 0.5	-	-
MCPA	0.5	mg/kg	-	< 0.5	-	-
MCPB	0.5	mg/kg	-	< 0.5	-	-
Mecoprop	0.5	mg/kg	-	< 0.5	-	-
Warfarin (surr.)	1	%	-	126	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	4.8	-	-
Cadmium	0.4	mg/kg	-	< 0.4	-	-
Chromium	5	mg/kg	-	16	-	-
Copper	5	mg/kg	-	33	34	67
Lead	5	mg/kg	-	21	-	-

Client Sample ID			SHA16-G	SS-02	STP21-0.4	STP21-A
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080745	S24-JI0080751	S24-JI0080752	S24-JI0080753
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Mercury	0.1	mg/kg	-	< 0.1	-	-
Nickel	5	mg/kg	-	11	-	-
Zinc	5	mg/kg	-	170	58	110

Client Sample ID			STP21-B	STP21-C	STP21-D	ACM02-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080754	S24-JI0080755	S24-JI0080756	S24-JI0080757
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	15	22	21	8.6
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Heavy Metals						
Copper	5	mg/kg	65	61	140	-
Zinc	5	mg/kg	180	110	260	-

Client Sample ID			ACM02-A	ACM02-B	ACM02-C	STP07-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080758	S24-JI0080759	S24-JI0080760	S24-JI0080761
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	7.1	10	8.7	21
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Heavy Metals						
Zinc	5	mg/kg	-	-	-	75

Client Sample ID			STP07-A	STP07-B	STP07-C	STP07-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080762	S24-JI0080763	S24-JI0080764	S24-JI0080765
Date Sampled			Jul 25, 2024	Jul 25, 2024	Jul 25, 2024	Jul 25, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	34	31	31	32
Heavy Metals						
Zinc	5	mg/kg	550	290	250	680

Client Sample ID			BH30-0.3	BH30-A	BH30-B	BH30-C
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080766	S24-JI0080767	S24-JI0080768	S24-JI0080769
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	20	20	22	23
Heavy Metals						
Zinc	5	mg/kg	63	160	190	130

Client Sample ID			BH30-D	STP08-0.3	STP08-A	STP08-B
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080770	S24-JI0080771	S24-JI0080772	S24-JI0080773
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	28	22	29	22
Heavy Metals						
Zinc	5	mg/kg	180	660	320	270

Client Sample ID			STP08-C	STP08-D	SHA01-0.3	SHA01-A
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080774	S24-JI0080775	S24-JI0080776	S24-JI0080777
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	31	30	19	35
Heavy Metals						
Zinc	5	mg/kg	300	300	69	300

Client Sample ID			SHA01-B	SHA01-C	SHA01-D	HA-D/0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080778	S24-JI0080779	S24-JI0080780	S24-JI0080784
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	22	25	34	15
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	-	-	-	0.12
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-HCH	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-HCH	0.05	mg/kg	-	-	-	< 0.05
d-HCH	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05

Client Sample ID			SHA01-B	SHA01-C	SHA01-D	HA-D/0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080778	S24-JI0080779	S24-JI0080780	S24-JI0080784
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	-	-	-	0.12
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	0.12
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	64
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	70
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	-	-	< 0.2
Bolstar	0.2	mg/kg	-	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	-	-	< 0.2
Coumaphos	2	mg/kg	-	-	-	< 2
Demeton-S	0.2	mg/kg	-	-	-	< 0.2
Demeton-O	0.2	mg/kg	-	-	-	< 0.2
Diazinon	0.2	mg/kg	-	-	-	< 0.2
Dichlorvos	0.2	mg/kg	-	-	-	< 0.2
Dimethoate	0.2	mg/kg	-	-	-	< 0.2
Disulfoton	0.2	mg/kg	-	-	-	< 0.2
EPN	0.2	mg/kg	-	-	-	< 0.2
Ethion	0.2	mg/kg	-	-	-	< 0.2
Ethoprop	0.2	mg/kg	-	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	-	-	-	< 0.2
Fenitrothion	0.2	mg/kg	-	-	-	< 0.2
Fensulfothion	0.2	mg/kg	-	-	-	< 0.2
Fenthion	0.2	mg/kg	-	-	-	< 0.2
Malathion	0.2	mg/kg	-	-	-	< 0.2
Merphos	0.2	mg/kg	-	-	-	< 0.2
Methyl parathion	0.2	mg/kg	-	-	-	< 0.2
Mevinphos	0.2	mg/kg	-	-	-	< 0.2
Monocrotophos	2	mg/kg	-	-	-	< 2
Naled	0.2	mg/kg	-	-	-	< 0.2
Omethoate	2	mg/kg	-	-	-	< 2
Phorate	0.2	mg/kg	-	-	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	-	-	< 0.2
Pyrazophos	0.2	mg/kg	-	-	-	< 0.2
Ronnel	0.2	mg/kg	-	-	-	< 0.2
Terbufos	0.2	mg/kg	-	-	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	-	-	< 0.2
Tokuthion	0.2	mg/kg	-	-	-	< 0.2
Trichloronate	0.2	mg/kg	-	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	-	-	77

Client Sample ID			SHA01-B	SHA01-C	SHA01-D	HA-D/0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080778	S24-JI0080779	S24-JI0080780	S24-JI0080784
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			SHA01-B	SHA01-C	SHA01-D	HA-D/0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080778	S24-JI0080779	S24-JI0080780	S24-JI0080784
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	95
Toluene-d8 (surr.)	1	%	-	-	-	88
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
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	%	-	-	-	77
p-Terphenyl-d14 (surr.)	1	%	-	-	-	65

Client Sample ID			SHA01-B	SHA01-C	SHA01-D	HA-D/0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080778	S24-JI0080779	S24-JI0080780	S24-JI0080784
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	64
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	70
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	6.7
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	29
Copper	5	mg/kg	-	-	-	58
Lead	5	mg/kg	-	-	-	32
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	17
Zinc	5	mg/kg	130	140	270	130

Client Sample ID			HA-D/0.3-0.4	HA-E/0.2-0.3	HA-F/0.1-0.2	HA-F/0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080785	S24-JI0080786	S24-JI0080787	S24-JI0080788
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	20	15	40	15
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	0.18	0.50	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	0.15	< 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	0.48	< 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

Client Sample ID			HA-D/0.3-0.4	HA-E/0.2-0.3	HA-F/0.1-0.2	HA-F/0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080785	S24-JI0080786	S24-JI0080787	S24-JI0080788
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
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	0.48	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	0.18	0.7	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	0.18	1.18	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	75	84	81	77
Tetrachloro-m-xylene (surr.)	1	%	70	78	76	73
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	87	78	88	78
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

Client Sample ID			HA-D/0.3-0.4	HA-E/0.2-0.3	HA-F/0.1-0.2	HA-F/0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080785	S24-JI0080786	S24-JI0080787	S24-JI0080788
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
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
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			HA-D/0.3-0.4	HA-E/0.2-0.3	HA-F/0.1-0.2	HA-F/0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080785	S24-JI0080786	S24-JI0080787	S24-JI0080788
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	113	82	106	113
Toluene-d8 (surr.)	1	%	100	75	96	102
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84	72	83	81
p-Terphenyl-d14 (surr.)	1	%	65	63	69	70
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			HA-D/0.3-0.4	HA-E/0.2-0.3	HA-F/0.1-0.2	HA-F/0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080785	S24-JI0080786	S24-JI0080787	S24-JI0080788
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	75	84	81	77
Tetrachloro-m-xylene (surr.)	1	%	70	78	76	73
Heavy Metals						
Arsenic	2	mg/kg	7.1	6.8	8.0	6.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	27	25	26	21
Copper	5	mg/kg	28	56	89	29
Lead	5	mg/kg	26	27	33	18
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	16	13	17	14
Zinc	5	mg/kg	53	120	250	99

Client Sample ID			HA-G/0.1-0.2	QA12	QA13	QA14
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080789	S24-JI0080790	S24-JI0080791	S24-JI0080792
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	16	20	22	15
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	0.13	-	-	0.14
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	0.06
a-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
b-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
d-HCH	0.05	mg/kg	< 0.05	-	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	-	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.13	-	-	0.2
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.13	-	-	0.2
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	60	-	-	57
Tetrachloro-m-xylene (surr.)	1	%	93	-	-	63

Client Sample ID			HA-G/0.1-0.2	QA12	QA13	QA14
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080789	S24-JI0080790	S24-JI0080791	S24-JI0080792
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Coumaphos	2	mg/kg	< 2	-	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	-	-	< 0.2
EPN	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Monocrotophos	2	mg/kg	< 2	-	-	< 2
Naled	0.2	mg/kg	< 0.2	-	-	< 0.2
Omethoate	2	mg/kg	< 2	-	-	< 2
Phorate	0.2	mg/kg	< 0.2	-	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	-	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	-	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	64	-	-	71
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	51	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	51	-	-	< 50
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	< 100

Client Sample ID			HA-G/0.1-0.2	QA12	QA13	QA14
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080789	S24-JI0080790	S24-JI0080791	S24-JI0080792
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			HA-G/0.1-0.2	QA12	QA13	QA14
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080789	S24-JI0080790	S24-JI0080791	S24-JI0080792
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	73	-	-	91
Toluene-d8 (surr.)	1	%	65	-	-	81
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	75	-	-	81
p-Terphenyl-d14 (surr.)	1	%	75	-	-	66
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	60	-	-	57
Tetrachloro-m-xylene (surr.)	1	%	93	-	-	63

Client Sample ID			HA-G/0.1-0.2	QA12	QA13	QA14
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080789	S24-JI0080790	S24-JI0080791	S24-JI0080792
Date Sampled			Jul 26, 2024	Jul 26, 2024	Jul 26, 2024	Jul 26, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	18	-	-	7.1
Cadmium	0.4	mg/kg	0.9	-	-	< 0.4
Chromium	5	mg/kg	24	-	-	26
Copper	5	mg/kg	110	-	-	58
Lead	5	mg/kg	46	-	-	37
Mercury	0.1	mg/kg	< 0.1	-	-	< 0.1
Nickel	5	mg/kg	12	-	-	14
Zinc	5	mg/kg	410	130	120	160

Client Sample ID			HA-H/0.0	HA-H/0.3	HA-I/0.1	HA-J/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080794	S24-JI0080795	S24-JI0080796	S24-JI0080797
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	52	22	37	18
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	71	82	85	76
Tetrachloro-m-xylene (surr.)	1	%	95	76	78	78

Client Sample ID			HA-H/0.0	HA-H/0.3	HA-I/0.1	HA-J/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080794	S24-JI0080795	S24-JI0080796	S24-JI0080797
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	67	79	86	81
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	134	132	138	91

Client Sample ID			HA-H/0.0	HA-H/0.3	HA-I/0.1	HA-J/0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080794	S24-JI0080795	S24-JI0080796	S24-JI0080797
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.1	5.7	4.4	8.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	16	21	14	22
Copper	5	mg/kg	27	31	29	25
Lead	5	mg/kg	19	18	18	28
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	13	10	11
Zinc	5	mg/kg	140	59	96	53

Client Sample ID			HA-K/0.0	HA-L/0.2	HA-M/0.0	HA-N/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080798	S24-JI0080799	S24-JI0080800	S24-JI0080801
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	24	37	10	27
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	91	81	82	105
Tetrachloro-m-xylene (surr.)	1	%	81	69	67	81

Client Sample ID			HA-K/0.0	HA-L/0.2	HA-M/0.0	HA-N/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080798	S24-JI0080799	S24-JI0080800	S24-JI0080801
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	93	90	90	99
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	140	130	133	138

Client Sample ID			HA-K/0.0	HA-L/0.2	HA-M/0.0	HA-N/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080798	S24-JI0080799	S24-JI0080800	S24-JI0080801
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	< 50	-	-	< 50
TRH C29-C36	50	mg/kg	< 50	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	< 50
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	< 50
TRH >C16-C34	100	mg/kg	< 100	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	< 100
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	< 0.5
Allyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Bromobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromoform	0.5	mg/kg	< 0.5	-	-	< 0.5
Bromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloroform	0.5	mg/kg	< 0.5	-	-	< 0.5
Chloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibromomethane	0.5	mg/kg	< 0.5	-	-	< 0.5

Client Sample ID			HA-K/0.0	HA-L/0.2	HA-M/0.0	HA-N/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080798	S24-JI0080799	S24-JI0080800	S24-JI0080801
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Iodomethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Styrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
Toluene	0.1	mg/kg	< 0.1	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	< 0.5
Trichloroethene	0.5	mg/kg	< 0.5	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
Total MAH*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	95	-	-	INT
Toluene-d8 (surr.)	1	%	84	-	-	INT
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	< 0.5
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	< 0.5
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	88	-	-	86
p-Terphenyl-d14 (surr.)	1	%	72	-	-	68

Client Sample ID			HA-K/0.0	HA-L/0.2	HA-M/0.0	HA-N/0.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080798	S24-JI0080799	S24-JI0080800	S24-JI0080801
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	91	-	-	105
Tetrachloro-m-xylene (surr.)	1	%	81	-	-	81
Heavy Metals						
Arsenic	2	mg/kg	5.8	7.3	6.2	6.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	22	16	20
Copper	5	mg/kg	30	34	33	35
Lead	5	mg/kg	20	29	19	20
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	13	14	12
Zinc	5	mg/kg	65	81	72	66

Client Sample ID			HA-N/0.2	HA-O/0.1	HA-P/0.1	HA-Q/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080802	S24-JI0080803	S24-JI0080804	S24-JI0080805
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	20	21	20	19
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			HA-N/0.2	HA-O/0.1	HA-P/0.1	HA-Q/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080802	S24-JI0080803	S24-JI0080804	S24-JI0080805
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	88	86	86	69
Tetrachloro-m-xylene (surr.)	1	%	75	78	80	68
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	91	96	102	91
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			HA-N/0.2	HA-O/0.1	HA-P/0.1	HA-Q/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080802	S24-JI0080803	S24-JI0080804	S24-JI0080805
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Acid Herbicides						
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	132	140	135	136
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			HA-N/0.2	HA-O/0.1	HA-P/0.1	HA-Q/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080802	S24-JI0080803	S24-JI0080804	S24-JI0080805
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	91	-	-	-
Toluene-d8 (surr.)	1	%	79	-	-	-
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-

Client Sample ID			HA-N/0.2	HA-O/0.1	HA-P/0.1	HA-Q/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080802	S24-JI0080803	S24-JI0080804	S24-JI0080805
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH*	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	83	-	-	-
p-Terphenyl-d14 (surr.)	1	%	68	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	88	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	75	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	7.0	9.2	5.3	4.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	18	19	19	16
Copper	5	mg/kg	27	170	32	23
Lead	5	mg/kg	17	29	22	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	15	14	7.4
Zinc	5	mg/kg	47	240	85	35

Client Sample ID			HA-R/0.0	HA-S/0.1	HA-T/0.0	HA-T/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080806	S24-JI0080807	S24-JI0080808	S24-JI0080809
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	27	35	22	18
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			HA-R/0.0	HA-S/0.1	HA-T/0.0	HA-T/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080806	S24-JI0080807	S24-JI0080808	S24-JI0080809
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	54	100	77	73
Tetrachloro-m-xylene (surr.)	1	%	101	117	70	76
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			HA-R/0.0	HA-S/0.1	HA-T/0.0	HA-T/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080806	S24-JI0080807	S24-JI0080808	S24-JI0080809
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	65	76	84	88
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Warfarin (surr.)	1	%	134	127	138	139
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			HA-R/0.0	HA-S/0.1	HA-T/0.0	HA-T/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080806	S24-JI0080807	S24-JI0080808	S24-JI0080809
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	106	-	-	-
Toluene-d8 (surr.)	1	%	94	-	-	-
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
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	-	-	-

Client Sample ID			HA-R/0.0	HA-S/0.1	HA-T/0.0	HA-T/0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080806	S24-JI0080807	S24-JI0080808	S24-JI0080809
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH*	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	84	-	-	-
p-Terphenyl-d14 (surr.)	1	%	81	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	54	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	101	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	7.0	3.2	6.0	7.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	12	21	19
Copper	5	mg/kg	34	39	29	26
Lead	5	mg/kg	34	21	18	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	16	5.1	11	8.8
Zinc	5	mg/kg	120	90	56	42

Client Sample ID			[G01]HA-U/0.0	[G01]HA-V/0.1	HA-W/0.0	[G01]HA-C/0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080810	S24-JI0080811	S24-JI0080812	S24-JI0080813
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	12	18	17	24
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	< 1	< 0.1	< 1
4.4'-DDD	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
4.4'-DDE	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
4.4'-DDT	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5

Client Sample ID			[G01]HA-U/0.0	[G01]HA-V/0.1	HA-W/0.0	[G01]HA-C/0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Jl0080810	S24-Jl0080811	S24-Jl0080812	S24-Jl0080813
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-HCH	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Aldrin	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
b-HCH	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
d-HCH	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Dieldrin	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endosulfan I	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endosulfan II	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endosulfan sulphate	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endrin	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endrin aldehyde	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Endrin ketone	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
g-HCH (Lindane)	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Heptachlor	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Heptachlor epoxide	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Hexachlorobenzene	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Methoxychlor	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Toxaphene	0.5	mg/kg	< 10	< 10	< 0.5	< 10
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	< 0.5	< 0.05	< 0.5
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	< 1	< 0.1	< 1
Dibutylchlorendate (surr.)	1	%	73	INT	74	84
Tetrachloro-m-xylene (surr.)	1	%	68	73	93	75
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Bolstar	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Chlorfenvinphos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Chlorpyrifos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Chlorpyrifos-methyl	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Coumaphos	2	mg/kg	< 5	< 5	< 2	< 5
Demeton-S	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Demeton-O	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Diazinon	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Dichlorvos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Dimethoate	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Disulfoton	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
EPN	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Ethion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Ethoprop	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Ethyl parathion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Fensulfothion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Fenthion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Malathion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Merphos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Methyl parathion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Mevinphos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Monocrotophos	2	mg/kg	< 5	< 5	< 2	< 5
Naled	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5

Client Sample ID			[G01]HA-U/0.0	[G01]HA-V/0.1	HA-W/0.0	[G01]HA-C/0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-Jl0080810	S24-Jl0080811	S24-Jl0080812	S24-Jl0080813
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Omethoate	2	mg/kg	< 5	< 5	< 2	< 5
Phorate	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Pirimiphos-methyl	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Pyrazophos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Ronnel	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Terbufos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Tetrachlorvinphos	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Tokuthion	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Trichloronate	0.2	mg/kg	< 0.5	< 0.5	< 0.2	< 0.5
Triphenylphosphate (surr.)	1	%	58	55	76	51
Acid Herbicides						
2.4-D	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4-DB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dicamba	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dinoseb	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Warfarin (surr.)	1	%	133	137	125	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	96
TRH C15-C28	50	mg/kg	-	-	-	260
TRH C29-C36	50	mg/kg	-	-	-	190
TRH C10-C36 (Total)	50	mg/kg	-	-	-	546
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	180
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	180
TRH >C16-C34	100	mg/kg	-	-	-	400
TRH >C34-C40	100	mg/kg	-	-	-	160
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	740
Volatile Organics						
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			[G01]HA-U/0.0	[G01]HA-V/0.1	HA-W/0.0	[G01]HA-C/0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080810	S24-JI0080811	S24-JI0080812	S24-JI0080813
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	117
Toluene-d8 (surr.)	1	%	-	-	-	106
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			[G01]HA-U/0.0	[G01]HA-V/0.1	HA-W/0.0	[G01]HA-C/0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S24-JI0080810	S24-JI0080811	S24-JI0080812	S24-JI0080813
Date Sampled			Jul 29, 2024	Jul 29, 2024	Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	66
p-Terphenyl-d14 (surr.)	1	%	-	-	-	59
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	84
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	75
Heavy Metals						
Arsenic	2	mg/kg	2.6	14	5.6	3.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	32	22	20	8.5
Copper	5	mg/kg	68	33	38	51
Lead	5	mg/kg	15	33	24	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	57	12	16	5.2
Zinc	5	mg/kg	110	83	89	65

Client Sample ID			QA15	QA16
Sample Matrix			Soil	Soil
Eurofins Sample No.			S24-JI0080814	S24-JI0080815
Date Sampled			Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit		
Sample Properties				
% Moisture	1	%	49	23
Organochlorine Pesticides				
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05
a-HCH	0.05	mg/kg	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05
b-HCH	0.05	mg/kg	< 0.05	< 0.05
d-HCH	0.05	mg/kg	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	89	65
Tetrachloro-m-xylene (surr.)	1	%	78	76
Organophosphorus Pesticides				
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2

Client Sample ID			QA15	QA16
Sample Matrix			Soil	Soil
Eurofins Sample No.			S24-Jl0080814	S24-Jl0080815
Date Sampled			Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit		
Organophosphorus Pesticides				
Malathion	0.2	mg/kg	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	104	69
Acid Herbicides				
2.4-D	0.5	mg/kg	< 0.5	< 0.5
2.4-DB	0.5	mg/kg	< 0.5	< 0.5
2.4.5-T	0.5	mg/kg	< 0.5	< 0.5
2.4.5-TP	0.5	mg/kg	< 0.5	< 0.5
Actril (loxynil)	0.5	mg/kg	< 0.5	< 0.5
Dicamba	0.5	mg/kg	< 0.5	< 0.5
Dichlorprop	0.5	mg/kg	< 0.5	< 0.5
Dinitro-o-cresol	0.5	mg/kg	< 0.5	< 0.5
Dinoseb	0.5	mg/kg	< 0.5	< 0.5
MCPA	0.5	mg/kg	< 0.5	< 0.5
MCPB	0.5	mg/kg	< 0.5	< 0.5
Mecoprop	0.5	mg/kg	< 0.5	< 0.5
Warfarin (surr.)	1	%	134	135
Total Recoverable Hydrocarbons				
TRH C6-C9	20	mg/kg	-	< 20
TRH C10-C14	20	mg/kg	-	< 20
TRH C15-C28	50	mg/kg	-	< 50
TRH C29-C36	50	mg/kg	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50
TRH C6-C10	20	mg/kg	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	< 50
TRH >C16-C34	100	mg/kg	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100
Volatile Organics				
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5

Client Sample ID			QA15	QA16
Sample Matrix			Soil	Soil
Eurofins Sample No.			S24-JI0080814	S24-JI0080815
Date Sampled			Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit		
Volatile Organics				
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5
Allyl chloride	0.5	mg/kg	-	< 0.5
Benzene	0.1	mg/kg	-	< 0.1
Bromobenzene	0.5	mg/kg	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	< 0.5
Bromoform	0.5	mg/kg	-	< 0.5
Bromomethane	0.5	mg/kg	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	< 0.5
Chloroethane	0.5	mg/kg	-	< 0.5
Chloroform	0.5	mg/kg	-	< 0.5
Chloromethane	0.5	mg/kg	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	< 0.5
Dibromomethane	0.5	mg/kg	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	< 0.1
Iodomethane	0.5	mg/kg	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	< 0.5
o-Xylene	0.1	mg/kg	-	< 0.1
Styrene	0.5	mg/kg	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	< 0.5
Toluene	0.1	mg/kg	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5
Trichloroethene	0.5	mg/kg	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	< 0.3
Total MAH*	0.5	mg/kg	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5

Client Sample ID			QA15	QA16
Sample Matrix			Soil	Soil
Eurofins Sample No.			S24-JI0080814	S24-JI0080815
Date Sampled			Jul 29, 2024	Jul 29, 2024
Test/Reference	LOR	Unit		
Volatile Organics				
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	101
Toluene-d8 (surr.)	1	%	-	90
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5
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	%	-	74
p-Terphenyl-d14 (surr.)	1	%	-	66
Polychlorinated Biphenyls				
Aroclor-1016	0.1	mg/kg	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	65
Tetrachloro-m-xylene (surr.)	1	%	-	76
Heavy Metals				
Arsenic	2	mg/kg	11	6.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4
Chromium	5	mg/kg	27	19
Copper	5	mg/kg	51	31
Lead	5	mg/kg	35	20
Mercury	0.1	mg/kg	< 0.1	< 0.1
Nickel	5	mg/kg	18	12
Zinc	5	mg/kg	110	67

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
TRH - 2013 NEPM Fractions (after silica gel clean-up)	Sydney	Aug 03, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Aug 03, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Jul 31, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Aug 04, 2024	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Acid Herbicides	Melbourne	Aug 06, 2024	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			
Polycyclic Aromatic Hydrocarbons	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Heavy Metals	Sydney	Aug 04, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Aug 04, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Aug 04, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Metals M8	Sydney	Aug 04, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			

eurofins

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Penrose,	Mount Wellington,	Rolleston,	Gate Pa,
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X								
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID															
1	SS01/U	Jul 24, 2024		Soil	S24-Au0002658						X									
2	HAC_0.2	Jul 24, 2024		Soil	S24-Au0009277						X									
3	BH2_C_FC	Jul 24, 2024		Building Materials	S24-Au0009278						X									
4	ACM_100	Jul 24, 2024		Building Materials	S24-Au0009279						X									
5	ACM_101	Jul 24, 2024		Building Materials	S24-Au0009280						X									
6	FCF2/3-0.2	Jul 24, 2024		Soil	S24-Jl0080708		X													
7	FCF2/3-A	Jul 24, 2024		Soil	S24-Jl0080709		X													
8	FCF2/3-B	Jul 24, 2024		Soil	S24-Jl0080710		X													
9	FCF2/3-C	Jul 24, 2024		Soil	S24-Jl0080711		X													
10	FCF2/3-D	Jul 24, 2024		Soil	S24-Jl0080712		X													
11	STP45-A	Jul 24, 2024		Soil	S24-Jl0080713		X													

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
12	STP45-E	Jul 24, 2024		Soil	S24-Jl0080714		X														
13	BH2-0.3	Jul 24, 2024		Soil	S24-Jl0080715		X										X	X			
14	BH2-A	Jul 24, 2024		Soil	S24-Jl0080716		X										X	X			
15	BH2-B	Jul 24, 2024		Soil	S24-Jl0080717												X	X			
16	BH2-C	Jul 24, 2024		Soil	S24-Jl0080718		X										X	X			
17	BH2-D	Jul 24, 2024		Soil	S24-Jl0080719												X	X			
18	BH4-0.5	Jul 24, 2024		Soil	S24-Jl0080720	X											X	X			
19	BH4-B	Jul 24, 2024		Soil	S24-Jl0080721												X	X			
20	BH4-C	Jul 24, 2024		Soil	S24-Jl0080722												X	X			
21	BH4-H	Jul 24, 2024		Soil	S24-Jl0080723												X	X			
22	T-A	Jul 24, 2024		Soil	S24-Jl0080724								X		X			X			
23	T-B	Jul 24, 2024		Soil	S24-Jl0080725								X		X			X			
24	T-C	Jul 24, 2024		Soil	S24-Jl0080726								X		X			X			
25	HA-A/0.1	Jul 24, 2024		Soil	S24-Jl0080727											X		X	X		
26	HA-A/0.3	Jul 24, 2024		Soil	S24-Jl0080728											X		X	X		
27	HA-B/0.1	Jul 24, 2024		Soil	S24-Jl0080729											X		X	X		

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP1-B	Jul 24, 2024		Soil	S24-Jl0080730											X		X	X		
29	STP50-0.3	Jul 24, 2024		Soil	S24-Jl0080731				X												
30	QA10	Jul 24, 2024		Soil	S24-Jl0080732								X		X			X			
31	RINSATE01	Jul 24, 2024		Water	S24-Jl0080733								X			X			X		
32	SOIL TRIP SPIKE 5	Jul 23, 2024		Trip Spike (solid)	S24-Jl0080734																X
33	SOIL TRIP BLANK 5	Jul 23, 2024		Trip Blank (solid)	S24-Jl0080735															X	
34	STP39-A	Jul 25, 2024		Soil	S24-Jl0080736			X										X			
35	STP39-B	Jul 25, 2024		Soil	S24-Jl0080737			X										X			
36	STP39-C	Jul 25, 2024		Soil	S24-Jl0080738			X										X			
37	STP39-D	Jul 25, 2024		Soil	S24-Jl0080739			X										X			
38	BH6-A	Jul 25, 2024		Soil	S24-Jl0080740			X									X	X			
39	BH6-B	Jul 25, 2024		Soil	S24-Jl0080741			X									X	X			
40	BH6-C	Jul 25, 2024		Soil	S24-Jl0080742			X									X	X			
41	BH6-D	Jul 25, 2024		Soil	S24-Jl0080743			X									X	X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
42	SHA16-F	Jul 25, 2024		Soil	S24-Jl0080744			X										X			
43	SHA16-G	Jul 25, 2024		Soil	S24-Jl0080745			X										X			
44	BH9-0.5	Jul 25, 2024		Soil	S24-Jl0080746		X														
45	BH9-A	Jul 25, 2024		Soil	S24-Jl0080747		X														
46	BH9-B	Jul 25, 2024		Soil	S24-Jl0080748		X														
47	BH9-C	Jul 25, 2024		Soil	S24-Jl0080749		X														
48	BH9-D	Jul 25, 2024		Soil	S24-Jl0080750		X														
49	SS-02	Jul 25, 2024		Soil	S24-Jl0080751								X	X	X			X			
50	STP21-0.4	Jul 25, 2024		Soil	S24-Jl0080752					X		X						X			
51	STP21-A	Jul 25, 2024		Soil	S24-Jl0080753					X		X						X			
52	STP21-B	Jul 25, 2024		Soil	S24-Jl0080754					X		X						X			
53	STP21-C	Jul 25, 2024		Soil	S24-Jl0080755					X		X						X			
54	STP21-D	Jul 25, 2024		Soil	S24-Jl0080756					X		X						X			
55	ACM02-0.3	Jul 25, 2024		Soil	S24-Jl0080757			X										X			
56	ACM02-A	Jul 25, 2024		Soil	S24-Jl0080758			X										X			
57	ACM02-B	Jul 25, 2024		Soil	S24-Jl0080759			X										X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	ACM02-C	Jul 25, 2024		Soil	S24-Jl0080760			X										X			
59	STP07-0.3	Jul 25, 2024		Soil	S24-Jl0080761							X						X			
60	STP07-A	Jul 25, 2024		Soil	S24-Jl0080762							X						X			
61	STP07-B	Jul 25, 2024		Soil	S24-Jl0080763							X						X			
62	STP07-C	Jul 25, 2024		Soil	S24-Jl0080764							X						X			
63	STP07-D	Jul 25, 2024		Soil	S24-Jl0080765							X						X			
64	BH30-0.3	Jul 26, 2024		Soil	S24-Jl0080766							X						X			
65	BH30-A	Jul 26, 2024		Soil	S24-Jl0080767							X						X			
66	BH30-B	Jul 26, 2024		Soil	S24-Jl0080768							X						X			
67	BH30-C	Jul 26, 2024		Soil	S24-Jl0080769							X						X			
68	BH30-D	Jul 26, 2024		Soil	S24-Jl0080770							X						X			
69	STP08-0.3	Jul 26, 2024		Soil	S24-Jl0080771							X						X			
70	STP08-A	Jul 26, 2024		Soil	S24-Jl0080772							X						X			
71	STP08-B	Jul 26, 2024		Soil	S24-Jl0080773							X						X			
72	STP08-C	Jul 26, 2024		Soil	S24-Jl0080774							X						X			
73	STP08-D	Jul 26, 2024		Soil	S24-Jl0080775							X						X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
74	SHA01-0.3	Jul 26, 2024		Soil	S24-Jl0080776							X						X			
75	SHA01-A	Jul 26, 2024		Soil	S24-Jl0080777							X						X			
76	SHA01-B	Jul 26, 2024		Soil	S24-Jl0080778							X						X			
77	SHA01-C	Jul 26, 2024		Soil	S24-Jl0080779							X						X			
78	SHA01-D	Jul 26, 2024		Soil	S24-Jl0080780							X						X			
79	STP10-E	Jul 26, 2024		Soil	S24-Jl0080781		X														
80	STP10-G	Jul 26, 2024		Soil	S24-Jl0080782		X														
81	STP10-P	Jul 26, 2024		Soil	S24-Jl0080783		X														
82	HA-D/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080784											X		X	X		
83	HA-D/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080785											X		X	X		
84	HA-E/0.2-0.3	Jul 26, 2024		Soil	S24-Jl0080786											X		X	X		
85	HA-F/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080787											X		X	X		
86	HA-F/0.5-0.6	Jul 26, 2024		Soil	S24-Jl0080788											X		X	X		
87	HA-G/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080789											X		X	X		
88	QA12	Jul 26, 2024		Soil	S24-Jl0080790							X						X			
89	QA13	Jul 26, 2024		Soil	S24-Jl0080791							X						X			

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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Eurofins Environment Testing NZ Ltd
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Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
90	QA14	Jul 26, 2024		Soil	S24-Jl0080792											X		X	X		
91	RINSATE02	Jul 26, 2024		Water	S24-Jl0080793											X			X		
92	HA-H/0.0	Jul 29, 2024		Soil	S24-Jl0080794								X	X	X			X			
93	HA-H/0.3	Jul 29, 2024		Soil	S24-Jl0080795								X	X	X			X			
94	HA-I/0.1	Jul 29, 2024		Soil	S24-Jl0080796								X	X	X			X			
95	HA-J/0.1	Jul 29, 2024		Soil	S24-Jl0080797								X	X	X			X			
96	HA-K/0.0	Jul 29, 2024		Soil	S24-Jl0080798								X			X		X	X		
97	HA-L/0.2	Jul 29, 2024		Soil	S24-Jl0080799								X	X	X			X			
98	HA-M/0.0	Jul 29, 2024		Soil	S24-Jl0080800								X	X	X			X			
99	HA-N/0.0	Jul 29, 2024		Soil	S24-Jl0080801								X			X		X	X		
100	HA-N/0.2	Jul 29, 2024		Soil	S24-Jl0080802								X			X		X	X		
101	HA-O/0.1	Jul 29, 2024		Soil	S24-Jl0080803								X	X	X			X			
102	HA-P/0.1	Jul 29, 2024		Soil	S24-Jl0080804								X	X	X			X			
103	HA-Q/0.3	Jul 29, 2024		Soil	S24-Jl0080805								X	X	X			X			
104	HA-R/0.0	Jul 29, 2024		Soil	S24-Jl0080806								X			X		X	X		
105	HA-S/0.1	Jul 29, 2024		Soil	S24-Jl0080807								X	X	X			X			

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NSW 2060

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Project ID: 30018043

Order No.:
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Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
106	HA-T/0.0	Jul 29, 2024		Soil	S24-Jl0080808								X	X	X			X			
107	HA-T/0.3	Jul 29, 2024		Soil	S24-Jl0080809								X	X	X			X			
108	HA-U/0.0	Jul 29, 2024		Soil	S24-Jl0080810		X						X	X	X			X			
109	HA-V/0.1	Jul 29, 2024		Soil	S24-Jl0080811								X	X	X			X			
110	HA-W/0.0	Jul 29, 2024		Soil	S24-Jl0080812								X	X	X			X			
111	HA-C/0.2	Jul 29, 2024		Soil	S24-Jl0080813											X		X	X		
112	QA15	Jul 29, 2024		Soil	S24-Jl0080814								X	X	X			X			
113	QA16	Jul 29, 2024		Soil	S24-Jl0080815								X			X		X	X		
114	RINSATE03	Jul 29, 2024		Water	S24-Jl0080816								X			X			X		
115	FCF2/3-E	Jul 24, 2024		Soil	S24-Jl0080817						X										
116	FCF2/3-F	Jul 24, 2024		Soil	S24-Jl0080818						X										
117	FCF2/3-G	Jul 24, 2024		Soil	S24-Jl0080819						X										
118	FCF2/3-H	Jul 24, 2024		Soil	S24-Jl0080820						X										
119	STP45-C	Jul 24, 2024		Soil	S24-Jl0080821						X										
120	STP45-C-ACM01	Jul 24, 2024		Building Materials	S24-Jl0080822						X										

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Order No.:
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Due: Aug 6, 2024
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Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
121	STP45-C-FC	Jul 24, 2024		Building Materials	S24-Jl0080823						X										
122	STP45-C-0.3	Jul 24, 2024		Soil	S24-Jl0080824						X										
123	STP45-D	Jul 24, 2024		Soil	S24-Jl0080825						X										
124	BH2-E	Jul 24, 2024		Soil	S24-Jl0080826						X										
125	BH2-F	Jul 24, 2024		Soil	S24-Jl0080827						X										
126	FCF100	Jul 24, 2024		Building Materials	S24-Jl0080828						X										
127	FCF101	Jul 24, 2024		Building Materials	S24-Jl0080829						X										
128	BH4-0.3	Jul 24, 2024		Soil	S24-Jl0080830						X										
129	BH4-A	Jul 24, 2024		Soil	S24-Jl0080831						X										
130	BH4-D	Jul 24, 2024		Soil	S24-Jl0080832						X										
131	BH4-E	Jul 24, 2024		Soil	S24-Jl0080833						X										
132	BH4-F	Jul 24, 2024		Soil	S24-Jl0080834						X										
133	BH4-G	Jul 24, 2024		Soil	S24-Jl0080835						X										
134	HA-A/0.5	Jul 24, 2024		Soil	S24-Jl0080836						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
135	HA-B/0.5	Jul 24, 2024		Soil	S24-Jl0080837						X										
136	SP1-A	Jul 24, 2024		Soil	S24-Jl0080838						X										
137	SP1-C	Jul 24, 2024		Soil	S24-Jl0080839						X										
138	STP50-0.5	Jul 24, 2024		Soil	S24-Jl0080840						X										
139	SS-01	Jul 25, 2024		Soil	S24-Jl0080841						X										
140	STP39-0.3	Jul 25, 2024		Soil	S24-Jl0080843						X										
141	STP39-E	Jul 25, 2024		Soil	S24-Jl0080844						X										
142	STP39-F	Jul 25, 2024		Soil	S24-Jl0080845						X										
143	STP39-G	Jul 25, 2024		Soil	S24-Jl0080846						X										
144	STP39-H	Jul 25, 2024		Soil	S24-Jl0080847						X										
145	BH6-0.3	Jul 25, 2024		Soil	S24-Jl0080848						X										
146	BH6-E	Jul 25, 2024		Soil	S24-Jl0080849						X										
147	BH6-F	Jul 25, 2024		Soil	S24-Jl0080850						X										
148	BH6-G	Jul 25, 2024		Soil	S24-Jl0080851						X										
149	BH6-H	Jul 25, 2024		Soil	S24-Jl0080852						X										
150	SHA16-0.2	Jul 25, 2024		Soil	S24-Jl0080853						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
151	SHA16-A	Jul 25, 2024		Soil	S24-Jl0080854						X										
152	SHA16-B	Jul 25, 2024		Soil	S24-Jl0080855						X										
153	SHA16-C	Jul 25, 2024		Soil	S24-Jl0080856						X										
154	SHA16-D	Jul 25, 2024		Soil	S24-Jl0080857						X										
155	SHA16-E	Jul 25, 2024		Soil	S24-Jl0080858						X										
156	SHA16-H	Jul 25, 2024		Soil	S24-Jl0080859						X										
157	BH9-E	Jul 25, 2024		Soil	S24-Jl0080860						X										
158	BH9-F	Jul 25, 2024		Soil	S24-Jl0080861						X										
159	BH9-G	Jul 25, 2024		Soil	S24-Jl0080862						X										
160	BH9-H	Jul 25, 2024		Soil	S24-Jl0080863						X										
161	STP21-E	Jul 25, 2024		Soil	S24-Jl0080864						X										
162	STP21-F	Jul 25, 2024		Soil	S24-Jl0080865						X										
163	STP21-G	Jul 25, 2024		Soil	S24-Jl0080866						X										
164	ACM02-D	Jul 25, 2024		Soil	S24-Jl0080867						X										
165	ACM02-E	Jul 25, 2024		Soil	S24-Jl0080868						X										
166	ACM02-F	Jul 25, 2024		Soil	S24-Jl0080869						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
167	STP07-E	Jul 25, 2024		Soil	S24-Jl0080870						X										
168	STP07-F	Jul 25, 2024		Soil	S24-Jl0080871						X										
169	STP07-G	Jul 25, 2024		Soil	S24-Jl0080872						X										
170	STP07-H	Jul 25, 2024		Soil	S24-Jl0080873						X										
171	QA11	Jul 25, 2024		Soil	S24-Jl0080874						X										
172	BH30-E	Jul 26, 2024		Soil	S24-Jl0080875						X										
173	BH30-F	Jul 26, 2024		Soil	S24-Jl0080876						X										
174	BH30-G	Jul 26, 2024		Soil	S24-Jl0080877						X										
175	BH30-H	Jul 26, 2024		Soil	S24-Jl0080878						X										
176	STP08-E	Jul 26, 2024		Soil	S24-Jl0080879						X										
177	STP08-F	Jul 26, 2024		Soil	S24-Jl0080880						X										
178	STP08-G	Jul 26, 2024		Soil	S24-Jl0080881						X										
179	STP08-H	Jul 26, 2024		Soil	S24-Jl0080882						X										
180	SHA01-E	Jul 26, 2024		Soil	S24-Jl0080883						X										
181	SHA01-F	Jul 26, 2024		Soil	S24-Jl0080884						X										
182	SHA01-G	Jul 26, 2024		Soil	S24-Jl0080885				X												

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
183	SHA01-H	Jul 26, 2024		Soil	S24-Jl0080886						X										
184	STP10-0.3	Jul 26, 2024		Soil	S24-Jl0080887						X										
185	STP10-A	Jul 26, 2024		Soil	S24-Jl0080888						X										
186	STP10-B	Jul 26, 2024		Soil	S24-Jl0080889						X										
187	STP10-C	Jul 26, 2024		Soil	S24-Jl0080890						X										
188	STP10-D	Jul 26, 2024		Soil	S24-Jl0080891						X										
189	STP10-F	Jul 26, 2024		Soil	S24-Jl0080892						X										
190	STP10-H	Jul 26, 2024		Soil	S24-Jl0080893						X										
191	STP10-I	Jul 26, 2024		Soil	S24-Jl0080894						X										
192	STP10-O	Jul 26, 2024		Soil	S24-Jl0080895						X										
193	STP10-B-FC	Jul 26, 2024		Building Materials	S24-Jl0080896						X										
194	STP10-F-FC	Jul 26, 2024		Building Materials	S24-Jl0080897						X										
195	STP10-H-FC	Jul 26, 2024		Building Materials	S24-Jl0080898						X										
196	STP10-I-FC	Jul 26, 2024		Building	S24-Jl0080899						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
				Materials																	
197	HA-E/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080900				X												
198	HA-G/0.4-0.5	Jul 26, 2024		Soil	S24-Jl0080901						X										
199	SS-03	Jul 26, 2024		Soil	S24-Jl0080902						X										
200	HA-I/0.3	Jul 29, 2024		Soil	S24-Jl0080903						X										
201	HA-J/0.3	Jul 29, 2024		Soil	S24-Jl0080904						X										
202	HA-K/0.2	Jul 29, 2024		Soil	S24-Jl0080905						X										
203	HA-L/0.3	Jul 29, 2024		Soil	S24-Jl0080906						X										
204	HA-M/0.3	Jul 29, 2024		Soil	S24-Jl0080907						X										
205	HA-O/0.2	Jul 29, 2024		Soil	S24-Jl0080908						X										
206	HA-P/0.4	Jul 29, 2024		Soil	S24-Jl0080909						X										
207	HA-Q/0.1	Jul 29, 2024		Soil	S24-Jl0080910						X										
208	HA-R/0.2	Jul 29, 2024		Soil	S24-Jl0080911						X										
209	HA-S/0.3	Jul 29, 2024		Soil	S24-Jl0080912						X										
210	HA-U/0.3	Jul 29, 2024		Soil	S24-Jl0080913	X															
211	HA-V/0.3	Jul 29, 2024		Soil	S24-Jl0080914						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
212	HA-W/0.3	Jul 29, 2024		Soil	S24-Jl0080915						X										
213	HA-C/0.5	Jul 29, 2024		Soil	S24-Jl0080916						X										
Test Counts						2	19	14	3	5	101	27	28	17	21	20	13	88	20	1	1

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*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 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Volatile Organics							
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Benzene	mg/kg	< 0.1			0.1	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Acid Herbicides							
2.4-D	mg/kg	< 0.5			0.5	Pass	
2.4-DB	mg/kg	< 0.5			0.5	Pass	
2.4.5-T	mg/kg	< 0.5			0.5	Pass	
2.4.5-TP	mg/kg	< 0.5			0.5	Pass	
Actril (loxynil)	mg/kg	< 0.5			0.5	Pass	
Dicamba	mg/kg	< 0.5			0.5	Pass	
Dichlorprop	mg/kg	< 0.5			0.5	Pass	
Dinitro-o-cresol	mg/kg	< 0.5			0.5	Pass	
Dinoseb	mg/kg	< 0.5			0.5	Pass	
MCPA	mg/kg	< 0.5			0.5	Pass	
MCPB	mg/kg	< 0.5			0.5	Pass	
Mecoprop	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Acid Herbicides							
2.4-D	mg/kg	< 0.5			0.5	Pass	
2.4-DB	mg/kg	< 0.5			0.5	Pass	
2.4.5-T	mg/kg	< 0.5			0.5	Pass	
2.4.5-TP	mg/kg	< 0.5			0.5	Pass	
Actril (loxynil)	mg/kg	< 0.5			0.5	Pass	
Dicamba	mg/kg	< 0.5			0.5	Pass	
Dichlorprop	mg/kg	< 0.5			0.5	Pass	
Dinitro-o-cresol	mg/kg	< 0.5			0.5	Pass	
Dinoseb	mg/kg	< 0.5			0.5	Pass	
MCPA	mg/kg	< 0.5			0.5	Pass	
MCPB	mg/kg	< 0.5			0.5	Pass	
Mecoprop	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
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							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
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							
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	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	70			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	72			70-130	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	82			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	87			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	72			70-130	Pass	
TRH >C10-C16	%	77			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	81			70-130	Pass	
TRH >C10-C16	%	86			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	76			70-130	Pass	
Acenaphthylene	%	82			70-130	Pass	
Anthracene	%	88			70-130	Pass	
Benz(a)anthracene	%	74			70-130	Pass	
Benzo(a)pyrene	%	72			70-130	Pass	
Benzo(b&j)fluoranthene	%	76			70-130	Pass	
Benzo(k)fluoranthene	%	82			70-130	Pass	
Chrysene	%	76			70-130	Pass	
Dibenz(a.h)anthracene	%	79			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluoranthene	%	99			70-130	Pass	
Fluorene	%	95			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	81			70-130	Pass	
Naphthalene	%	82			70-130	Pass	
Phenanthrene	%	91			70-130	Pass	
Pyrene	%	92			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	106			80-120	Pass	
Cadmium	%	102			80-120	Pass	
Chromium	%	111			80-120	Pass	
Copper	%	107			80-120	Pass	
Lead	%	98			80-120	Pass	
Mercury	%	107			80-120	Pass	
Nickel	%	108			80-120	Pass	
Zinc	%	107			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	103			70-130	Pass	
TRH >C10-C16	%	103			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	117			70-130	Pass	
1.1.1-Trichloroethane	%	100			70-130	Pass	
1.2-Dichlorobenzene	%	119			70-130	Pass	
1.2-Dichloroethane	%	102			70-130	Pass	
Benzene	%	128			70-130	Pass	
Ethylbenzene	%	117			70-130	Pass	
m&p-Xylenes	%	121			70-130	Pass	
o-Xylene	%	126			70-130	Pass	
Toluene	%	107			70-130	Pass	
Trichloroethene	%	120			70-130	Pass	
Xylenes - Total*	%	123			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	112			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	117			70-130	Pass	
1.1.1-Trichloroethane	%	99			70-130	Pass	
1.2-Dichlorobenzene	%	113			70-130	Pass	
1.2-Dichloroethane	%	103			70-130	Pass	
Benzene	%	130			70-130	Pass	
Ethylbenzene	%	114			70-130	Pass	
m&p-Xylenes	%	116			70-130	Pass	
o-Xylene	%	121			70-130	Pass	
Toluene	%	108			70-130	Pass	
Trichloroethene	%	120			70-130	Pass	
Xylenes - Total*	%	118			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	110			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chlordanes - Total	%	89			70-130	Pass	
4.4'-DDD	%	105			70-130	Pass	
4.4'-DDE	%	109			70-130	Pass	
4.4'-DDT	%	116			70-130	Pass	
a-HCH	%	106			70-130	Pass	
Aldrin	%	94			70-130	Pass	
b-HCH	%	114			70-130	Pass	
d-HCH	%	119			70-130	Pass	
Dieldrin	%	96			70-130	Pass	
Endosulfan I	%	109			70-130	Pass	
Endosulfan II	%	95			70-130	Pass	
Endosulfan sulphate	%	112			70-130	Pass	
Endrin	%	117			70-130	Pass	
Endrin aldehyde	%	103			70-130	Pass	
Endrin ketone	%	100			70-130	Pass	
g-HCH (Lindane)	%	118			70-130	Pass	
Heptachlor	%	104			70-130	Pass	
Heptachlor epoxide	%	96			70-130	Pass	
Hexachlorobenzene	%	101			70-130	Pass	
Methoxychlor	%	112			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	125			70-130	Pass	
Dimethoate	%	95			70-130	Pass	
Ethion	%	79			70-130	Pass	
Fenitrothion	%	99			70-130	Pass	
Methyl parathion	%	106			70-130	Pass	
Mevinphos	%	100			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	90			70-130	Pass	
Acenaphthylene	%	92			70-130	Pass	
Anthracene	%	103			70-130	Pass	
Benz(a)anthracene	%	87			70-130	Pass	
Benzo(a)pyrene	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	%	89			70-130	Pass	
Benzo(g.h.i)perylene	%	99			70-130	Pass	
Benzo(k)fluoranthene	%	93			70-130	Pass	
Chrysene	%	92			70-130	Pass	
Dibenz(a.h)anthracene	%	86			70-130	Pass	
Fluoranthene	%	104			70-130	Pass	
Fluorene	%	85			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	90			70-130	Pass	
Naphthalene	%	95			70-130	Pass	
Phenanthrene	%	107			70-130	Pass	
Pyrene	%	111			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	73			70-130	Pass	
Aroclor-1260	%	87			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	95			80-120	Pass	
Cadmium	%	102			80-120	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chromium	%	101			80-120	Pass	
Copper	%	102			80-120	Pass	
Lead	%	104			80-120	Pass	
Mercury	%	104			80-120	Pass	
Nickel	%	101			80-120	Pass	
Zinc	%	101			80-120	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	76			70-130	Pass	
2.4-DB	%	102			70-130	Pass	
2.4.5-T	%	93			70-130	Pass	
2.4.5-TP	%	93			70-130	Pass	
Actril (loxynil)	%	73			70-130	Pass	
Dicamba	%	87			70-130	Pass	
Dichlorprop	%	85			70-130	Pass	
Dinitro-o-cresol	%	83			70-130	Pass	
Dinoseb	%	86			70-130	Pass	
MCPA	%	77			70-130	Pass	
MCPB	%	83			70-130	Pass	
Mecoprop	%	101			70-130	Pass	
LCS - % Recovery							
Acid Herbicides							
2.4-D	%	78			70-130	Pass	
2.4-DB	%	86			70-130	Pass	
2.4.5-T	%	77			70-130	Pass	
2.4.5-TP	%	80			70-130	Pass	
Dicamba	%	71			70-130	Pass	
Dichlorprop	%	94			70-130	Pass	
Dinitro-o-cresol	%	81			70-130	Pass	
Dinoseb	%	70			70-130	Pass	
MCPA	%	70			70-130	Pass	
MCPB	%	73			70-130	Pass	
Mecoprop	%	83			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	109			80-120	Pass	
Cadmium	%	112			80-120	Pass	
Chromium	%	108			80-120	Pass	
Copper	%	109			80-120	Pass	
Lead	%	110			80-120	Pass	
Mercury	%	110			80-120	Pass	
Nickel	%	109			80-120	Pass	
Zinc	%	106			80-120	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	118			80-120	Pass	
Chromium	%	116			80-120	Pass	
Copper	%	118			80-120	Pass	
Lead	%	118			80-120	Pass	
Mercury	%	118			80-120	Pass	
Nickel	%	117			80-120	Pass	
Zinc	%	115			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chlordanes - Total	%	72			70-130	Pass	
4.4'-DDD	%	79			70-130	Pass	
4.4'-DDE	%	92			70-130	Pass	
4.4'-DDT	%	105			70-130	Pass	
a-HCH	%	73			70-130	Pass	
Aldrin	%	70			70-130	Pass	
d-HCH	%	79			70-130	Pass	
Dieldrin	%	74			70-130	Pass	
Endosulfan I	%	101			70-130	Pass	
Endosulfan II	%	91			70-130	Pass	
Endosulfan sulphate	%	102			70-130	Pass	
Endrin	%	97			70-130	Pass	
Endrin aldehyde	%	94			70-130	Pass	
Endrin ketone	%	97			70-130	Pass	
g-HCH (Lindane)	%	74			70-130	Pass	
Heptachlor	%	81			70-130	Pass	
Hexachlorobenzene	%	77			70-130	Pass	
Methoxychlor	%	99			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	93			70-130	Pass	
Dimethoate	%	73			70-130	Pass	
Ethion	%	73			70-130	Pass	
Fenitrothion	%	94			70-130	Pass	
Methyl parathion	%	101			70-130	Pass	
Mevinphos	%	85			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	88			70-130	Pass	
Acenaphthylene	%	79			70-130	Pass	
Anthracene	%	79			70-130	Pass	
Benz(a)anthracene	%	73			70-130	Pass	
Benzo(a)pyrene	%	78			70-130	Pass	
Benzo(b&j)fluoranthene	%	71			70-130	Pass	
Benzo(g.h.i)perylene	%	101			70-130	Pass	
Benzo(k)fluoranthene	%	77			70-130	Pass	
Chrysene	%	84			70-130	Pass	
Dibenz(a.h)anthracene	%	78			70-130	Pass	
Fluoranthene	%	77			70-130	Pass	
Fluorene	%	84			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	81			70-130	Pass	
Naphthalene	%	89			70-130	Pass	
Phenanthrene	%	87			70-130	Pass	
Pyrene	%	92			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	80			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	101			80-120	Pass	
Cadmium	%	104			80-120	Pass	
Chromium	%	102			80-120	Pass	
Copper	%	103			80-120	Pass	
Lead	%	103			80-120	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury	%	103			80-120	Pass	
Nickel	%	104			80-120	Pass	
Zinc	%	101			80-120	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	98			70-130	Pass	
4.4'-DDD	%	92			70-130	Pass	
4.4'-DDE	%	100			70-130	Pass	
4.4'-DDT	%	88			70-130	Pass	
a-HCH	%	99			70-130	Pass	
Aldrin	%	98			70-130	Pass	
b-HCH	%	99			70-130	Pass	
d-HCH	%	99			70-130	Pass	
Dieldrin	%	102			70-130	Pass	
Endosulfan I	%	104			70-130	Pass	
Endosulfan II	%	99			70-130	Pass	
Endosulfan sulphate	%	98			70-130	Pass	
Endrin	%	97			70-130	Pass	
Endrin aldehyde	%	90			70-130	Pass	
Endrin ketone	%	102			70-130	Pass	
g-HCH (Lindane)	%	100			70-130	Pass	
Heptachlor	%	96			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	100			70-130	Pass	
Methoxychlor	%	79			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	101			70-130	Pass	
Dimethoate	%	104			70-130	Pass	
Ethion	%	88			70-130	Pass	
Fenitrothion	%	99			70-130	Pass	
Methyl parathion	%	111			70-130	Pass	
Mevinphos	%	95			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	94			70-130	Pass	
Acenaphthylene	%	95			70-130	Pass	
Anthracene	%	98			70-130	Pass	
Benz(a)anthracene	%	96			70-130	Pass	
Benzo(a)pyrene	%	100			70-130	Pass	
Benzo(b&j)fluoranthene	%	85			70-130	Pass	
Benzo(g.h.i)perylene	%	99			70-130	Pass	
Benzo(k)fluoranthene	%	106			70-130	Pass	
Chrysene	%	101			70-130	Pass	
Dibenz(a.h)anthracene	%	99			70-130	Pass	
Fluoranthene	%	96			70-130	Pass	
Fluorene	%	92			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	102			70-130	Pass	
Naphthalene	%	94			70-130	Pass	
Phenanthrene	%	96			70-130	Pass	
Pyrene	%	96			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	74			70-130	Pass	
Aroclor-1260	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Jl0080727	CP	%	91			75-125	Pass	
Cadmium	S24-Jl0080727	CP	%	91			75-125	Pass	
Chromium	S24-Jl0080727	CP	%	92			75-125	Pass	
Copper	S24-Jl0080727	CP	%	114			75-125	Pass	
Lead	S24-Jl0080727	CP	%	83			75-125	Pass	
Mercury	S24-Jl0080727	CP	%	93			75-125	Pass	
Nickel	S24-Jl0080727	CP	%	91			75-125	Pass	
Zinc	S24-Jl0080727	CP	%	92			75-125	Pass	
Spike - % Recovery									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH >C10-C16 (after silica gel clean-up)	S24-Jl0080742	CP	%	84			70-130	Pass	
Spike - % Recovery									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH C10-C14 (after silica gel clean-up)	S24-Jl0080742	CP	%	88			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S24-Jl0080784	CP	%	116			75-125	Pass	
Cadmium	S24-Jl0080784	CP	%	119			75-125	Pass	
Chromium	S24-Jl0080784	CP	%	107			75-125	Pass	
Copper	S24-Jl0080784	CP	%	103			75-125	Pass	
Lead	S24-Jl0080784	CP	%	103			75-125	Pass	
Mercury	S24-Jl0080784	CP	%	121			75-125	Pass	
Nickel	S24-Jl0080784	CP	%	112			75-125	Pass	
Zinc	S24-Jl0080784	CP	%	98			75-125	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S24-Jl0080786	CP	%	116			70-130	Pass	
Ethylbenzene	S24-Jl0080786	CP	%	114			70-130	Pass	
m&p-Xylenes	S24-Jl0080786	CP	%	114			70-130	Pass	
o-Xylene	S24-Jl0080786	CP	%	117			70-130	Pass	
Toluene	S24-Jl0080786	CP	%	107			70-130	Pass	
Xylenes - Total*	S24-Jl0080786	CP	%	115			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S24-Jl0080786	CP	%	98			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
2.4-D	S24-Jl0080795	CP	%	70			70-130	Pass	
Actril (loxynil)	S24-Jl0080795	CP	%	85			70-130	Pass	
Dichlorprop	S24-Jl0080795	CP	%	111			70-130	Pass	
MCPA	S24-Jl0080795	CP	%	71			70-130	Pass	
Spike - % Recovery									
Acid Herbicides				Result 1					
2.4-D	S24-Jl0080798	CP	%	81			70-130	Pass	
Actril (loxynil)	S24-Jl0080798	CP	%	117			70-130	Pass	
Dichlorprop	S24-Jl0080798	CP	%	114			70-130	Pass	
MCPA	S24-Jl0080798	CP	%	93			70-130	Pass	
MCPB	S24-Jl0080798	CP	%	84			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S24-Jl0080802	CP	%	93			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDD	S24-Jl0080802	CP	%	116			70-130	Pass	
4.4'-DDE	S24-Jl0080802	CP	%	108			70-130	Pass	
4.4'-DDT	S24-Jl0080802	CP	%	82			70-130	Pass	
a-HCH	S24-Jl0080802	CP	%	105			70-130	Pass	
Aldrin	S24-Jl0080802	CP	%	95			70-130	Pass	
b-HCH	S24-Jl0080802	CP	%	107			70-130	Pass	
d-HCH	S24-Jl0080802	CP	%	113			70-130	Pass	
Dieldrin	S24-Jl0080802	CP	%	103			70-130	Pass	
Endosulfan I	S24-Jl0080802	CP	%	118			70-130	Pass	
Endosulfan II	S24-Jl0080802	CP	%	108			70-130	Pass	
Endosulfan sulphate	S24-Jl0080802	CP	%	120			70-130	Pass	
Endrin	S24-Jl0080802	CP	%	123			70-130	Pass	
Endrin aldehyde	S24-Jl0080802	CP	%	119			70-130	Pass	
Endrin ketone	S24-Jl0080802	CP	%	105			70-130	Pass	
g-HCH (Lindane)	S24-Jl0080802	CP	%	106			70-130	Pass	
Heptachlor	S24-Jl0080802	CP	%	95			70-130	Pass	
Heptachlor epoxide	S24-Jl0080802	CP	%	94			70-130	Pass	
Hexachlorobenzene	S24-Jl0080802	CP	%	100			70-130	Pass	
Methoxychlor	S24-Jl0080802	CP	%	81			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S24-Jl0080802	CP	%	71			70-130	Pass	
Aroclor-1260	S24-Jl0080802	CP	%	91			70-130	Pass	
Spike - % Recovery									
Volatile Organics				Result 1					
Benzene	S24-Jl0080815	CP	%	97			70-130	Pass	
Ethylbenzene	S24-Jl0080815	CP	%	99			70-130	Pass	
m&p-Xylenes	S24-Jl0080815	CP	%	98			70-130	Pass	
o-Xylene	S24-Jl0080815	CP	%	101			70-130	Pass	
Toluene	S24-Jl0080815	CP	%	92			70-130	Pass	
Xylenes - Total*	S24-Jl0080815	CP	%	99			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S24-Jl0080815	CP	%	78			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S24-Jl0080815	CP	%	89			70-130	Pass	
Acenaphthylene	S24-Jl0080815	CP	%	86			70-130	Pass	
Anthracene	S24-Jl0080815	CP	%	85			70-130	Pass	
Benz(a)anthracene	S24-Jl0080815	CP	%	76			70-130	Pass	
Benzo(a)pyrene	S24-Jl0080815	CP	%	81			70-130	Pass	
Benzo(b&j)fluoranthene	S24-Jl0080815	CP	%	71			70-130	Pass	
Benzo(g.h.i)perylene	S24-Jl0080815	CP	%	85			70-130	Pass	
Benzo(k)fluoranthene	S24-Jl0080815	CP	%	90			70-130	Pass	
Chrysene	S24-Jl0080815	CP	%	93			70-130	Pass	
Dibenz(a.h)anthracene	S24-Jl0080815	CP	%	87			70-130	Pass	
Fluoranthene	S24-Jl0080815	CP	%	86			70-130	Pass	
Fluorene	S24-Jl0080815	CP	%	85			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S24-Jl0080815	CP	%	84			70-130	Pass	
Naphthalene	S24-Jl0080815	CP	%	88			70-130	Pass	
Phenanthrene	S24-Jl0080815	CP	%	87			70-130	Pass	
Pyrene	S24-Jl0080815	CP	%	84			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C10-C36 (Total) (after silica gel clean-up)	S24-Jl0080715	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080724	CP	%	25	26	4.0	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Jl0080732	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Jl0080732	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Ethion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Jl0080732	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Jl0080732	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Jl0080732	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Jl0080732	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Jl0080732	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080738	CP	%	27	21	23	30%	Pass	

Duplicate									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C10-C36 (Total) (after silica gel clean-up)	S24-Jl0080741	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080753	CP	%	22	21	4.8	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080756	CP	mg/kg	5.4	7.0	27	30%	Pass	
Cadmium	S24-Jl0080756	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Jl0080756	CP	mg/kg	19	21	14	30%	Pass	
Copper	S24-Jl0080756	CP	mg/kg	140	130	8.8	30%	Pass	
Lead	S24-Jl0080756	CP	mg/kg	28	31	9.7	30%	Pass	
Mercury	S24-Jl0080756	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Jl0080756	CP	mg/kg	13	13	3.7	30%	Pass	
Zinc	S24-Jl0080756	CP	mg/kg	260	250	2.5	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080761	CP	mg/kg	4.9	4.5	7.4	30%	Pass	
Cadmium	S24-Jl0080761	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Jl0080761	CP	mg/kg	18	20	9.1	30%	Pass	
Copper	S24-Jl0080761	CP	mg/kg	30	30	<1	30%	Pass	
Lead	S24-Jl0080761	CP	mg/kg	15	16	4.9	30%	Pass	
Mercury	S24-Jl0080761	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Jl0080761	CP	mg/kg	16	17	9.0	30%	Pass	
Zinc	S24-Jl0080761	CP	mg/kg	75	78	2.9	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080763	CP	%	31	30	4.7	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080771	CP	mg/kg	8.3	8.5	2.1	30%	Pass	
Cadmium	S24-Jl0080771	CP	mg/kg	1.0	1.2	19	30%	Pass	
Chromium	S24-Jl0080771	CP	mg/kg	35	27	25	30%	Pass	
Copper	S24-Jl0080771	CP	mg/kg	56	58	4.1	30%	Pass	
Mercury	S24-Jl0080771	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Jl0080771	CP	mg/kg	18	18	4.1	30%	Pass	
Zinc	S24-Jl0080771	CP	mg/kg	660	750	13	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080773	CP	%	22	22	1.3	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080780	CP	mg/kg	5.0	4.4	15	30%	Pass	
Cadmium	S24-Jl0080780	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Jl0080780	CP	mg/kg	26	25	4.1	30%	Pass	
Copper	S24-Jl0080780	CP	mg/kg	45	43	6.0	30%	Pass	
Lead	S24-Jl0080780	CP	mg/kg	41	37	11	30%	Pass	
Mercury	S24-Jl0080780	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S24-Jl0080780	CP	mg/kg	12	12	<1	30%	Pass	
Zinc	S24-Jl0080780	CP	mg/kg	270	250	7.5	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Jl0080785	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Jl0080785	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Mevinphos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Jl0080785	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Jl0080785	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Jl0080785	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S24-Jl0080785	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Jl0080785	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Jl0080785	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	S24-Jl0080785	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S24-Jl0080785	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Jl0080785	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Jl0080785	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Chloroform	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Iodomethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-Jl0080785	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-Jl0080785	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
1.1-Dichloroethane	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Jl0080785	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Jl0080785	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080786	CP	%	15	15	2.0	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Jl0080796	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080797	CP	%	18	18	1.3	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Jl0080797	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorprop	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Jl0080799	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
2.4-D	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-DB	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-T	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-TP	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Actril (loxynil)	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dicamba	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Acid Herbicides				Result 1	Result 2	RPD			
Dichlorprop	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinitro-o-cresol	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dinoseb	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPA	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
MCPB	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Mecoprop	S24-Jl0080800	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Jl0080801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Jl0080801	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Jl0080801	CP	mg/kg	< 2	< 2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Naled	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Jl0080801	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pyrazophos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Jl0080801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S24-Jl0080801	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S24-Jl0080801	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S24-Jl0080801	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C10-C16	S24-Jl0080801	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S24-Jl0080801	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S24-Jl0080801	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Jl0080801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Jl0080801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080804	CP	mg/kg	5.3	5.1	3.3	30%	Pass	
Cadmium	S24-Jl0080804	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-Jl0080804	CP	mg/kg	19	19	1.3	30%	Pass	
Copper	S24-Jl0080804	CP	mg/kg	32	30	6.3	30%	Pass	
Lead	S24-Jl0080804	CP	mg/kg	22	21	6.3	30%	Pass	
Mercury	S24-Jl0080804	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Nickel	S24-Jl0080804	CP	mg/kg	14	13	7.5	30%	Pass	
Zinc	S24-Jl0080804	CP	mg/kg	85	79	8.0	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S24-Jl0080805	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Bolstar	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorfenvinphos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Chlorpyrifos-methyl	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Coumaphos	S24-Jl0080805	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Demeton-S	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Demeton-O	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Diazinon	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dichlorvos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Dimethoate	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Disulfoton	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
EPN	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethoprop	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ethyl parathion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenitrothion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fensulfothion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Fenthion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Malathion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Merphos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methyl parathion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Mevinphos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Monocrotophos	S24-Jl0080805	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Naled	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Omethoate	S24-Jl0080805	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Phorate	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Pirimiphos-methyl	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	

Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Pyrazophos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Ronnel	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Terbufos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tetrachlorvinphos	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Tokuthion	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Trichloronate	S24-Jl0080805	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-Jl0080805	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-Jl0080805	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Jl0080807	CP	%	35	33	6.8	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S24-Jl0080813	CP	mg/kg	< 1	< 1	<1	30%	Pass	
4.4'-DDD	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDE	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4.4'-DDT	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
a-HCH	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aldrin	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
b-HCH	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
d-HCH	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dieldrin	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan I	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan II	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endosulfan sulphate	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin aldehyde	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Endrin ketone	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
g-HCH (Lindane)	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Heptachlor epoxide	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Hexachlorobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methoxychlor	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Jl0080813	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S24-Jl0080813	CP	mg/kg	96	87	10	30%	Pass	
TRH C15-C28	S24-Jl0080813	CP	mg/kg	260	250	1.3	30%	Pass	
TRH C29-C36	S24-Jl0080813	CP	mg/kg	190	230	18	30%	Pass	
TRH C6-C10	S24-Jl0080813	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	S24-Jl0080813	CP	mg/kg	180	100	54	30%	Fail	Q15
TRH >C16-C34	S24-Jl0080813	CP	mg/kg	400	430	7.1	30%	Pass	
TRH >C34-C40	S24-Jl0080813	CP	mg/kg	160	160	2.1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzene	S24-Jl0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Bromobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S24-Jl0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Ethylbenzene	S24-Jl0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Iodomethane	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
m&p-Xylenes	S24-JI0080813	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Methylene Chloride	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
o-Xylene	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Styrene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Toluene	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Xylenes - Total*	S24-JI0080813	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
1.1-Dichloroethane	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S24-JI0080813	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S24-JI0080813	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-JI0080814	CP	mg/kg	11	12	2.3	30%	Pass	
Cadmium	S24-JI0080814	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S24-JI0080814	CP	mg/kg	27	27	2.7	30%	Pass	
Copper	S24-JI0080814	CP	mg/kg	51	52	3.2	30%	Pass	
Lead	S24-JI0080814	CP	mg/kg	35	37	5.0	30%	Pass	
Mercury	S24-JI0080814	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Nickel	S24-Jl0080814	CP	mg/kg	18	18	<1	30%	Pass	
Zinc	S24-Jl0080814	CP	mg/kg	110	110	3.3	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	1.1°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
G01	The LORs have been raised due to matrix interference
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Adam Bateup	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Sayeed Abu	Senior Analyst-Asbestos
Maria Tian	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Sample Properties
Roopesh Rangarajan	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Laxman Dias	Senior Analyst-Asbestos
Joseph Edouard	Senior Analyst-Organic
Edward Lee	Senior Analyst-Organic
Fang Yee Tan	Senior Analyst-Metal

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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SMEC Australia Pty Ltd
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NSW 2060

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Accreditation Number 1261
Site Number 18217

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Attention: **Steven Shaw**

Report **1123575-W**
Project name 30018043 LEPPINGTON DELINEATION
Project ID 30018043
Received Date Jul 30, 2024

Client Sample ID			**RINSATE01**	**RINSATE02**	**RINSATE03**
Sample Matrix			**Water**	**Water**	**Water**
Eurofins Sample No.			**S24-JI0080733**	**S24-JI0080793**	**S24-JI0080816**
Date Sampled			**Jul 24, 2024**	**Jul 26, 2024**	**Jul 29, 2024**
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1
Volatile Organics					
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.005
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001

Client Sample ID			RINSATE01	RINSATE02	RINSATE03
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S24-JI0080733	S24-JI0080793	S24-JI0080816
Date Sampled			Jul 24, 2024	Jul 26, 2024	Jul 29, 2024
Test/Reference	LOR	Unit			
Volatile Organics					
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.001
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005
Chloroform	0.005	mg/L	< 0.005	< 0.005	< 0.005
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003
Total MAH*	0.003	mg/L	< 0.003	< 0.003	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005
4-Bromofluorobenzene (surr.)	1	%	96	99	97
Toluene-d8 (surr.)	1	%	87	86	84
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001

Client Sample ID			RINSATE01	RINSATE02	RINSATE03
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S24-JI0080733	S24-JI0080793	S24-JI0080816
Date Sampled			Jul 24, 2024	Jul 26, 2024	Jul 29, 2024
Test/Reference	LOR	Unit			
Polycyclic Aromatic Hydrocarbons					
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	63	95	64
p-Terphenyl-d14 (surr.)	1	%	INT	INT	INT
Organochlorine Pesticides					
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	< 0.002
4.4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
4.4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
4.4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Toxaphene	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002
Dibutylchlorendate (surr.)	1	%	103	99	101
Tetrachloro-m-xylene (surr.)	1	%	141	145	147
Organophosphorus Pesticides					
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002
Bolstar	0.002	mg/L	< 0.002	< 0.002	< 0.002
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	< 0.02
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002
Coumaphos	0.02	mg/L	< 0.02	< 0.02	< 0.02
Demeton-S	0.002	mg/L	< 0.002	< 0.002	< 0.002
Demeton-O	0.002	mg/L	< 0.002	< 0.002	< 0.002
Diazinon	0.002	mg/L	< 0.002	< 0.002	< 0.002
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Dimethoate	0.002	mg/L	< 0.002	< 0.002	< 0.002

Client Sample ID			RINSATE01	RINSATE02	RINSATE03
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S24-JI0080733	S24-JI0080793	S24-JI0080816
Date Sampled			Jul 24, 2024	Jul 26, 2024	Jul 29, 2024
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
Disulfoton	0.002	mg/L	< 0.002	< 0.002	< 0.002
EPN	0.002	mg/L	< 0.002	< 0.002	< 0.002
Ethion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Ethoprop	0.002	mg/L	< 0.002	< 0.002	< 0.002
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Fenthion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Malathion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Merphos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Mevinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Naled	0.002	mg/L	< 0.002	< 0.002	< 0.002
Omethoate	0.02	mg/L	< 0.02	< 0.02	< 0.02
Phorate	0.002	mg/L	< 0.002	< 0.002	< 0.002
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	< 0.02
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Ronnel	0.002	mg/L	< 0.002	< 0.002	< 0.002
Terbufos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002
Tokuthion	0.002	mg/L	< 0.002	< 0.002	< 0.002
Trichloronate	0.002	mg/L	< 0.002	< 0.002	< 0.002
Triphenylphosphate (surr.)	1	%	140	134	131
Polychlorinated Biphenyls					
Aroclor-1016	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1221	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1232	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1242	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1248	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1254	0.005	mg/L	< 0.005	< 0.005	< 0.005
Aroclor-1260	0.005	mg/L	< 0.005	< 0.005	< 0.005
Total PCB*	0.005	mg/L	< 0.005	< 0.005	< 0.005
Dibutylchlorendate (surr.)	1	%	103	99	101
Tetrachloro-m-xylene (surr.)	1	%	141	145	147
Acid Herbicides					
2.4-D	0.001	mg/L	< 0.001	-	< 0.001
2.4-DB	0.001	mg/L	< 0.001	-	< 0.001
2.4.5-T	0.001	mg/L	< 0.001	-	< 0.001
2.4.5-TP	0.001	mg/L	< 0.001	-	< 0.001
Actril (loxynil)	0.001	mg/L	< 0.001	-	< 0.001
Dicamba	0.001	mg/L	< 0.001	-	< 0.001
Dichlorprop	0.001	mg/L	< 0.001	-	< 0.001
Dinitro-o-cresol	0.001	mg/L	< 0.001	-	< 0.001
Dinoseb	0.001	mg/L	< 0.001	-	< 0.001
MCPA	0.001	mg/L	< 0.001	-	< 0.001
MCPB	0.001	mg/L	< 0.001	-	< 0.001
Mecoprop	0.001	mg/L	< 0.001	-	< 0.001
Warfarin (surr.)	0.001	%	121	-	105

Client Sample ID			RINSATE01	RINSATE02	RINSATE03
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S24-JI0080733	S24-JI0080793	S24-JI0080816
Date Sampled			Jul 24, 2024	Jul 26, 2024	Jul 29, 2024
Test/Reference	LOR	Unit			
Heavy Metals					
Arsenic	0.001	mg/L	< 0.001	< 0.001	< 0.001
Cadmium	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002
Chromium	0.001	mg/L	< 0.001	0.008	0.003
Copper	0.001	mg/L	< 0.001	0.002	< 0.001
Lead	0.001	mg/L	< 0.001	< 0.001	< 0.001
Mercury	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001
Nickel	0.001	mg/L	< 0.001	0.001	< 0.001
Zinc	0.005	mg/L	< 0.005	< 0.005	< 0.005

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Polycyclic Aromatic Hydrocarbons	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Aug 02, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Eurofins Suite B15			
Organochlorine Pesticides	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Sydney	Aug 02, 2024	7 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Acid Herbicides	Melbourne	Aug 08, 2024	14 Days
- Method: LTM-ORG-2180 Phenoxy Acid Herbicides			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail	Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X								
Sydney Laboratory - NATA # 1261 Site # 18217	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
External Laboratory																

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID															
1	SS01/U	Jul 24, 2024		Soil	S24-Au0002658						X									
2	HAC_0.2	Jul 24, 2024		Soil	S24-Au0009277						X									
3	BH2_C_FC	Jul 24, 2024		Building Materials	S24-Au0009278						X									
4	ACM_100	Jul 24, 2024		Building Materials	S24-Au0009279						X									
5	ACM_101	Jul 24, 2024		Building Materials	S24-Au0009280						X									
6	FCF2/3-0.2	Jul 24, 2024		Soil	S24-Jl0080708		X													
7	FCF2/3-A	Jul 24, 2024		Soil	S24-Jl0080709		X													
8	FCF2/3-B	Jul 24, 2024		Soil	S24-Jl0080710		X													
9	FCF2/3-C	Jul 24, 2024		Soil	S24-Jl0080711		X													
10	FCF2/3-D	Jul 24, 2024		Soil	S24-Jl0080712		X													
11	STP45-A	Jul 24, 2024		Soil	S24-Jl0080713		X													

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Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
12	STP45-E	Jul 24, 2024		Soil	S24-Jl0080714		X														
13	BH2-0.3	Jul 24, 2024		Soil	S24-Jl0080715		X										X	X			
14	BH2-A	Jul 24, 2024		Soil	S24-Jl0080716		X										X	X			
15	BH2-B	Jul 24, 2024		Soil	S24-Jl0080717												X	X			
16	BH2-C	Jul 24, 2024		Soil	S24-Jl0080718		X										X	X			
17	BH2-D	Jul 24, 2024		Soil	S24-Jl0080719												X	X			
18	BH4-0.5	Jul 24, 2024		Soil	S24-Jl0080720	X											X	X			
19	BH4-B	Jul 24, 2024		Soil	S24-Jl0080721												X	X			
20	BH4-C	Jul 24, 2024		Soil	S24-Jl0080722												X	X			
21	BH4-H	Jul 24, 2024		Soil	S24-Jl0080723												X	X			
22	T-A	Jul 24, 2024		Soil	S24-Jl0080724								X		X			X			
23	T-B	Jul 24, 2024		Soil	S24-Jl0080725								X		X			X			
24	T-C	Jul 24, 2024		Soil	S24-Jl0080726								X		X			X			
25	HA-A/0.1	Jul 24, 2024		Soil	S24-Jl0080727											X		X	X		
26	HA-A/0.3	Jul 24, 2024		Soil	S24-Jl0080728											X		X	X		
27	HA-B/0.1	Jul 24, 2024		Soil	S24-Jl0080729											X		X	X		

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Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
28	SP1-B	Jul 24, 2024		Soil	S24-Jl0080730											X		X	X		
29	STP50-0.3	Jul 24, 2024		Soil	S24-Jl0080731				X												
30	QA10	Jul 24, 2024		Soil	S24-Jl0080732								X		X			X			
31	RINSATE01	Jul 24, 2024		Water	S24-Jl0080733								X			X			X		
32	SOIL TRIP SPIKE 5	Jul 23, 2024		Trip Spike (solid)	S24-Jl0080734																X
33	SOIL TRIP BLANK 5	Jul 23, 2024		Trip Blank (solid)	S24-Jl0080735															X	
34	STP39-A	Jul 25, 2024		Soil	S24-Jl0080736			X										X			
35	STP39-B	Jul 25, 2024		Soil	S24-Jl0080737			X										X			
36	STP39-C	Jul 25, 2024		Soil	S24-Jl0080738			X										X			
37	STP39-D	Jul 25, 2024		Soil	S24-Jl0080739			X										X			
38	BH6-A	Jul 25, 2024		Soil	S24-Jl0080740			X									X	X			
39	BH6-B	Jul 25, 2024		Soil	S24-Jl0080741			X									X	X			
40	BH6-C	Jul 25, 2024		Soil	S24-Jl0080742			X									X	X			
41	BH6-D	Jul 25, 2024		Soil	S24-Jl0080743			X									X	X			

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
42	SHA16-F	Jul 25, 2024		Soil	S24-Jl0080744			X										X			
43	SHA16-G	Jul 25, 2024		Soil	S24-Jl0080745			X										X			
44	BH9-0.5	Jul 25, 2024		Soil	S24-Jl0080746		X														
45	BH9-A	Jul 25, 2024		Soil	S24-Jl0080747		X														
46	BH9-B	Jul 25, 2024		Soil	S24-Jl0080748		X														
47	BH9-C	Jul 25, 2024		Soil	S24-Jl0080749		X														
48	BH9-D	Jul 25, 2024		Soil	S24-Jl0080750		X														
49	SS-02	Jul 25, 2024		Soil	S24-Jl0080751								X	X	X			X			
50	STP21-0.4	Jul 25, 2024		Soil	S24-Jl0080752					X		X						X			
51	STP21-A	Jul 25, 2024		Soil	S24-Jl0080753					X		X						X			
52	STP21-B	Jul 25, 2024		Soil	S24-Jl0080754					X		X						X			
53	STP21-C	Jul 25, 2024		Soil	S24-Jl0080755					X		X						X			
54	STP21-D	Jul 25, 2024		Soil	S24-Jl0080756					X		X						X			
55	ACM02-0.3	Jul 25, 2024		Soil	S24-Jl0080757			X										X			
56	ACM02-A	Jul 25, 2024		Soil	S24-Jl0080758			X										X			
57	ACM02-B	Jul 25, 2024		Soil	S24-Jl0080759			X										X			

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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46-48 Banksia Road
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+61 8 6253 4444
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Site# 2370

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NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd
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Auckland	Auckland (Focus)	Christchurch	Tauranga
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1123575
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Jul 30, 2024 5:07 PM
Due: Aug 6, 2024
Priority: 5 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Asbestos - AS4964	Asbestos - WA guidelines	Benzo(a)pyrene	CANCELLED*	Copper	HOLD*	Zinc	Acid Herbicides	Metals M8	Suite B14: OCP/OPP	Eurofins Suite B15	TRH (after Silica Gel cleanup)	Moisture Set	Eurofins Suite B8	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
58	ACM02-C	Jul 25, 2024		Soil	S24-Jl0080760			X										X			
59	STP07-0.3	Jul 25, 2024		Soil	S24-Jl0080761							X						X			
60	STP07-A	Jul 25, 2024		Soil	S24-Jl0080762							X						X			
61	STP07-B	Jul 25, 2024		Soil	S24-Jl0080763							X						X			
62	STP07-C	Jul 25, 2024		Soil	S24-Jl0080764							X						X			
63	STP07-D	Jul 25, 2024		Soil	S24-Jl0080765							X						X			
64	BH30-0.3	Jul 26, 2024		Soil	S24-Jl0080766							X						X			
65	BH30-A	Jul 26, 2024		Soil	S24-Jl0080767							X						X			
66	BH30-B	Jul 26, 2024		Soil	S24-Jl0080768							X						X			
67	BH30-C	Jul 26, 2024		Soil	S24-Jl0080769							X						X			
68	BH30-D	Jul 26, 2024		Soil	S24-Jl0080770							X						X			
69	STP08-0.3	Jul 26, 2024		Soil	S24-Jl0080771							X						X			
70	STP08-A	Jul 26, 2024		Soil	S24-Jl0080772							X						X			
71	STP08-B	Jul 26, 2024		Soil	S24-Jl0080773							X						X			
72	STP08-C	Jul 26, 2024		Soil	S24-Jl0080774							X						X			
73	STP08-D	Jul 26, 2024		Soil	S24-Jl0080775							X						X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Project ID: 30018043

Order No.:
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Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
74	SHA01-0.3	Jul 26, 2024		Soil	S24-Jl0080776							X						X			
75	SHA01-A	Jul 26, 2024		Soil	S24-Jl0080777							X						X			
76	SHA01-B	Jul 26, 2024		Soil	S24-Jl0080778							X						X			
77	SHA01-C	Jul 26, 2024		Soil	S24-Jl0080779							X						X			
78	SHA01-D	Jul 26, 2024		Soil	S24-Jl0080780							X						X			
79	STP10-E	Jul 26, 2024		Soil	S24-Jl0080781		X														
80	STP10-G	Jul 26, 2024		Soil	S24-Jl0080782		X														
81	STP10-P	Jul 26, 2024		Soil	S24-Jl0080783		X														
82	HA-D/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080784											X		X	X		
83	HA-D/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080785											X		X	X		
84	HA-E/0.2-0.3	Jul 26, 2024		Soil	S24-Jl0080786											X		X	X		
85	HA-F/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080787											X		X	X		
86	HA-F/0.5-0.6	Jul 26, 2024		Soil	S24-Jl0080788											X		X	X		
87	HA-G/0.1-0.2	Jul 26, 2024		Soil	S24-Jl0080789											X		X	X		
88	QA12	Jul 26, 2024		Soil	S24-Jl0080790							X						X			
89	QA13	Jul 26, 2024		Soil	S24-Jl0080791							X						X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project ID: 30018043

Order No.:
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Received: Jul 30, 2024 5:07 PM
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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
90	QA14	Jul 26, 2024		Soil	S24-Jl0080792											X		X	X		
91	RINSATE02	Jul 26, 2024		Water	S24-Jl0080793											X			X		
92	HA-H/0.0	Jul 29, 2024		Soil	S24-Jl0080794								X	X	X			X			
93	HA-H/0.3	Jul 29, 2024		Soil	S24-Jl0080795								X	X	X			X			
94	HA-I/0.1	Jul 29, 2024		Soil	S24-Jl0080796								X	X	X			X			
95	HA-J/0.1	Jul 29, 2024		Soil	S24-Jl0080797								X	X	X			X			
96	HA-K/0.0	Jul 29, 2024		Soil	S24-Jl0080798								X			X		X	X		
97	HA-L/0.2	Jul 29, 2024		Soil	S24-Jl0080799								X	X	X			X			
98	HA-M/0.0	Jul 29, 2024		Soil	S24-Jl0080800								X	X	X			X			
99	HA-N/0.0	Jul 29, 2024		Soil	S24-Jl0080801								X			X		X	X		
100	HA-N/0.2	Jul 29, 2024		Soil	S24-Jl0080802								X			X		X	X		
101	HA-O/0.1	Jul 29, 2024		Soil	S24-Jl0080803								X	X	X			X			
102	HA-P/0.1	Jul 29, 2024		Soil	S24-Jl0080804								X	X	X			X			
103	HA-Q/0.3	Jul 29, 2024		Soil	S24-Jl0080805								X	X	X			X			
104	HA-R/0.0	Jul 29, 2024		Soil	S24-Jl0080806								X			X		X	X		
105	HA-S/0.1	Jul 29, 2024		Soil	S24-Jl0080807								X	X	X			X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
106	HA-T/0.0	Jul 29, 2024		Soil	S24-Jl0080808								X	X	X			X			
107	HA-T/0.3	Jul 29, 2024		Soil	S24-Jl0080809								X	X	X			X			
108	HA-U/0.0	Jul 29, 2024		Soil	S24-Jl0080810		X						X	X	X			X			
109	HA-V/0.1	Jul 29, 2024		Soil	S24-Jl0080811								X	X	X			X			
110	HA-W/0.0	Jul 29, 2024		Soil	S24-Jl0080812								X	X	X			X			
111	HA-C/0.2	Jul 29, 2024		Soil	S24-Jl0080813											X		X	X		
112	QA15	Jul 29, 2024		Soil	S24-Jl0080814								X	X	X			X			
113	QA16	Jul 29, 2024		Soil	S24-Jl0080815								X			X		X	X		
114	RINSATE03	Jul 29, 2024		Water	S24-Jl0080816								X			X			X		
115	FCF2/3-E	Jul 24, 2024		Soil	S24-Jl0080817						X										
116	FCF2/3-F	Jul 24, 2024		Soil	S24-Jl0080818						X										
117	FCF2/3-G	Jul 24, 2024		Soil	S24-Jl0080819						X										
118	FCF2/3-H	Jul 24, 2024		Soil	S24-Jl0080820						X										
119	STP45-C	Jul 24, 2024		Soil	S24-Jl0080821						X										
120	STP45-C-ACM01	Jul 24, 2024		Building Materials	S24-Jl0080822						X										

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
121	STP45-C-FC	Jul 24, 2024		Building Materials	S24-Jl0080823						X										
122	STP45-C-0.3	Jul 24, 2024		Soil	S24-Jl0080824						X										
123	STP45-D	Jul 24, 2024		Soil	S24-Jl0080825						X										
124	BH2-E	Jul 24, 2024		Soil	S24-Jl0080826						X										
125	BH2-F	Jul 24, 2024		Soil	S24-Jl0080827						X										
126	FCF100	Jul 24, 2024		Building Materials	S24-Jl0080828						X										
127	FCF101	Jul 24, 2024		Building Materials	S24-Jl0080829						X										
128	BH4-0.3	Jul 24, 2024		Soil	S24-Jl0080830						X										
129	BH4-A	Jul 24, 2024		Soil	S24-Jl0080831						X										
130	BH4-D	Jul 24, 2024		Soil	S24-Jl0080832						X										
131	BH4-E	Jul 24, 2024		Soil	S24-Jl0080833						X										
132	BH4-F	Jul 24, 2024		Soil	S24-Jl0080834						X										
133	BH4-G	Jul 24, 2024		Soil	S24-Jl0080835						X										
134	HA-A/0.5	Jul 24, 2024		Soil	S24-Jl0080836						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
135	HA-B/0.5	Jul 24, 2024		Soil	S24-Jl0080837						X										
136	SP1-A	Jul 24, 2024		Soil	S24-Jl0080838						X										
137	SP1-C	Jul 24, 2024		Soil	S24-Jl0080839						X										
138	STP50-0.5	Jul 24, 2024		Soil	S24-Jl0080840						X										
139	SS-01	Jul 25, 2024		Soil	S24-Jl0080841						X										
140	STP39-0.3	Jul 25, 2024		Soil	S24-Jl0080843						X										
141	STP39-E	Jul 25, 2024		Soil	S24-Jl0080844						X										
142	STP39-F	Jul 25, 2024		Soil	S24-Jl0080845						X										
143	STP39-G	Jul 25, 2024		Soil	S24-Jl0080846						X										
144	STP39-H	Jul 25, 2024		Soil	S24-Jl0080847						X										
145	BH6-0.3	Jul 25, 2024		Soil	S24-Jl0080848						X										
146	BH6-E	Jul 25, 2024		Soil	S24-Jl0080849						X										
147	BH6-F	Jul 25, 2024		Soil	S24-Jl0080850						X										
148	BH6-G	Jul 25, 2024		Soil	S24-Jl0080851						X										
149	BH6-H	Jul 25, 2024		Soil	S24-Jl0080852						X										
150	SHA16-0.2	Jul 25, 2024		Soil	S24-Jl0080853						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
151	SHA16-A	Jul 25, 2024		Soil	S24-Jl0080854						X										
152	SHA16-B	Jul 25, 2024		Soil	S24-Jl0080855						X										
153	SHA16-C	Jul 25, 2024		Soil	S24-Jl0080856						X										
154	SHA16-D	Jul 25, 2024		Soil	S24-Jl0080857						X										
155	SHA16-E	Jul 25, 2024		Soil	S24-Jl0080858						X										
156	SHA16-H	Jul 25, 2024		Soil	S24-Jl0080859						X										
157	BH9-E	Jul 25, 2024		Soil	S24-Jl0080860						X										
158	BH9-F	Jul 25, 2024		Soil	S24-Jl0080861						X										
159	BH9-G	Jul 25, 2024		Soil	S24-Jl0080862						X										
160	BH9-H	Jul 25, 2024		Soil	S24-Jl0080863						X										
161	STP21-E	Jul 25, 2024		Soil	S24-Jl0080864						X										
162	STP21-F	Jul 25, 2024		Soil	S24-Jl0080865						X										
163	STP21-G	Jul 25, 2024		Soil	S24-Jl0080866						X										
164	ACM02-D	Jul 25, 2024		Soil	S24-Jl0080867						X										
165	ACM02-E	Jul 25, 2024		Soil	S24-Jl0080868						X										
166	ACM02-F	Jul 25, 2024		Soil	S24-Jl0080869						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
167	STP07-E	Jul 25, 2024		Soil	S24-Jl0080870						X										
168	STP07-F	Jul 25, 2024		Soil	S24-Jl0080871						X										
169	STP07-G	Jul 25, 2024		Soil	S24-Jl0080872						X										
170	STP07-H	Jul 25, 2024		Soil	S24-Jl0080873						X										
171	QA11	Jul 25, 2024		Soil	S24-Jl0080874						X										
172	BH30-E	Jul 26, 2024		Soil	S24-Jl0080875						X										
173	BH30-F	Jul 26, 2024		Soil	S24-Jl0080876						X										
174	BH30-G	Jul 26, 2024		Soil	S24-Jl0080877						X										
175	BH30-H	Jul 26, 2024		Soil	S24-Jl0080878						X										
176	STP08-E	Jul 26, 2024		Soil	S24-Jl0080879						X										
177	STP08-F	Jul 26, 2024		Soil	S24-Jl0080880						X										
178	STP08-G	Jul 26, 2024		Soil	S24-Jl0080881						X										
179	STP08-H	Jul 26, 2024		Soil	S24-Jl0080882						X										
180	SHA01-E	Jul 26, 2024		Soil	S24-Jl0080883						X										
181	SHA01-F	Jul 26, 2024		Soil	S24-Jl0080884						X										
182	SHA01-G	Jul 26, 2024		Soil	S24-Jl0080885				X												

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
183	SHA01-H	Jul 26, 2024		Soil	S24-Jl0080886						X										
184	STP10-0.3	Jul 26, 2024		Soil	S24-Jl0080887						X										
185	STP10-A	Jul 26, 2024		Soil	S24-Jl0080888						X										
186	STP10-B	Jul 26, 2024		Soil	S24-Jl0080889						X										
187	STP10-C	Jul 26, 2024		Soil	S24-Jl0080890						X										
188	STP10-D	Jul 26, 2024		Soil	S24-Jl0080891						X										
189	STP10-F	Jul 26, 2024		Soil	S24-Jl0080892						X										
190	STP10-H	Jul 26, 2024		Soil	S24-Jl0080893						X										
191	STP10-I	Jul 26, 2024		Soil	S24-Jl0080894						X										
192	STP10-O	Jul 26, 2024		Soil	S24-Jl0080895						X										
193	STP10-B-FC	Jul 26, 2024		Building Materials	S24-Jl0080896						X										
194	STP10-F-FC	Jul 26, 2024		Building Materials	S24-Jl0080897						X										
195	STP10-H-FC	Jul 26, 2024		Building Materials	S24-Jl0080898						X										
196	STP10-I-FC	Jul 26, 2024		Building	S24-Jl0080899						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
				Materials																	
197	HA-E/0.3-0.4	Jul 26, 2024		Soil	S24-Jl0080900				X												
198	HA-G/0.4-0.5	Jul 26, 2024		Soil	S24-Jl0080901						X										
199	SS-03	Jul 26, 2024		Soil	S24-Jl0080902						X										
200	HA-I/0.3	Jul 29, 2024		Soil	S24-Jl0080903						X										
201	HA-J/0.3	Jul 29, 2024		Soil	S24-Jl0080904						X										
202	HA-K/0.2	Jul 29, 2024		Soil	S24-Jl0080905						X										
203	HA-L/0.3	Jul 29, 2024		Soil	S24-Jl0080906						X										
204	HA-M/0.3	Jul 29, 2024		Soil	S24-Jl0080907						X										
205	HA-O/0.2	Jul 29, 2024		Soil	S24-Jl0080908						X										
206	HA-P/0.4	Jul 29, 2024		Soil	S24-Jl0080909						X										
207	HA-Q/0.1	Jul 29, 2024		Soil	S24-Jl0080910						X										
208	HA-R/0.2	Jul 29, 2024		Soil	S24-Jl0080911						X										
209	HA-S/0.3	Jul 29, 2024		Soil	S24-Jl0080912						X										
210	HA-U/0.3	Jul 29, 2024		Soil	S24-Jl0080913	X															
211	HA-V/0.3	Jul 29, 2024		Soil	S24-Jl0080914						X										

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Melbourne Laboratory - NATA # 1261 Site # 1254													X								
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
212	HA-W/0.3	Jul 29, 2024		Soil	S24-Jl0080915						X										
213	HA-C/0.5	Jul 29, 2024		Soil	S24-Jl0080916						X										
Test Counts						2	19	14	3	5	101	27	28	17	21	20	13	88	20	1	1

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*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 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Benzene	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Acid Herbicides							
2.4-D	mg/L	< 0.001			0.001	Pass	
2.4-DB	mg/L	< 0.001			0.001	Pass	
2.4.5-T	mg/L	< 0.001			0.001	Pass	
2.4.5-TP	mg/L	< 0.001			0.001	Pass	
Actril (loxynil)	mg/L	< 0.001			0.001	Pass	
Dicamba	mg/L	< 0.001			0.001	Pass	
Dichlorprop	mg/L	< 0.001			0.001	Pass	
Dinitro-o-cresol	mg/L	< 0.001			0.001	Pass	
Dinoseb	mg/L	< 0.001			0.001	Pass	
MCPA	mg/L	< 0.001			0.001	Pass	
MCPB	mg/L	< 0.001			0.001	Pass	
Mecoprop	mg/L	< 0.001			0.001	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	93			70-130	Pass	
1.1.1-Trichloroethane	%	111			70-130	Pass	
1.2-Dichlorobenzene	%	109			70-130	Pass	
1.2-Dichloroethane	%	113			70-130	Pass	
Benzene	%	116			70-130	Pass	
Ethylbenzene	%	112			70-130	Pass	
m&p-Xylenes	%	118			70-130	Pass	
o-Xylene	%	120			70-130	Pass	
Toluene	%	103			70-130	Pass	
Trichloroethene	%	127			70-130	Pass	
Xylenes - Total*	%	119			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	105			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S24-Jl0080793	CP	%	80			70-130	Pass	
TRH >C10-C16	S24-Jl0080793	CP	%	82			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	S24-Jl0080733	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S24-Jl0080733	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S24-Jl0080733	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	S24-Jl0080733	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S24-Jl0080733	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S24-Jl0080733	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S24-Jl0080733	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	S24-Jl0080733	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S24-Jl0080733	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	S24-Jl0080733	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S24-Jl0080733	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S24-Jl0080733	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S24-Jl0080733	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S24-Jl0080793	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	S24-Jl0080793	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2-Trichloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Ethylbenzene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Iodomethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S24-Jl0080793	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Methylene Chloride	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
o-Xylene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Styrene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Xylenes - Total*	S24-Jl0080793	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
1.1-Dichloroethane	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S24-Jl0080793	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Cadmium	S24-Jl0080793	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S24-Jl0080793	CP	mg/L	0.008	0.008	2.7	30%	Pass	
Copper	S24-Jl0080793	CP	mg/L	0.002	0.002	11	30%	Pass	
Lead	S24-Jl0080793	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S24-Jl0080793	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S24-Jl0080793	CP	mg/L	0.001	0.002	19	30%	Pass	
Zinc	S24-Jl0080793	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Cadmium	S24-Jl0080816	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S24-Jl0080816	CP	mg/L	0.003	0.002	14	30%	Pass	
Copper	S24-Jl0080816	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S24-Jl0080816	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S24-Jl0080816	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Zinc	S24-Jl0080816	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	1.1°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

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

Authorised by:

Adam Bateup	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
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.

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CHAIN OF CUSTODY FORM

SMEC

SMEC OFFICE: SMEC North Sydney PROJECT: 30019343 Leppington Deliveries	TURNAROUND REQUIREMENTS : X Standard - 5 day TAT	LAB: Eurofins ATTENTION: Adam Salleau/ Sample Receipt DIRRATION TO (ADDRESS & PHONE NO.): Delivery door 2, 179 Magnetic Rd, Girraween NSW 2145
PROJECT NUMBER: 30019343	LAB QUOTE NO.:	COC SEQUENCE NUMBER (Circle) COC: 1 2 3 4 5 6 7
PROJECT MANAGER: Steven Shaw	CONTACT PH: 0295209941	SUP: 1 2 3 4 5 6 7
SAMPLED BY: Amber Hoang, Harrison Wood, Pauline Vosilidis		
DATE SAMPLED: 24-SAMT/2024	RELINQUISHED BY: DATE/TIME:	RECEIVED BY: DATE/TIME:
Email Reports to (will default to PM if blank): Amber.Hoang@smec.com, Harrison.Wood@smec.com, Steven.Shaw@smec.com, Pauline.Vosilidis@smec.com	Alhoang SMAT 17:16 (Tuesday) SMAT 17:00 (Thursday)	AR Brennan 24/7
Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com		
Special Laboratory Instructions: ESDAT format results please		

SAMPLE DETAILS						ANALYSIS REQUIRED													COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TPH (SILICA GEL CLEAN UP)	PAH	Asbestos WA guidance	TRH/C6-C10/BTEX	BTEX, TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	8 OCP, OPP, PCB	8 METALS	8 EIA (OCP, OPP)	Herbicide (glyphosate acetic acids)	ON HOLD	FORWARD TO ALS	
	FCF2/3-0.2	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-A	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-B	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-C	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-D	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	FCF2/3-E	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	FCF2/3-F	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	FCF2/3-G	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	FCF2/3-H	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	STP45-A	7/24/2024	S	1 JAR 1 BAG						x								X	1 JAR 1 BAG
	STP45-C	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	STP45-C-ACM01	7/24/2024	ACM	1 BAG														X	1 JAR 1 BAG
	STP45-C-FC	7/24/2024	ACM	1 BAG														X	1 JAR 1 BAG
	STP45-C-0.3	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	STP45-D	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	STP45-E	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	BH2-0.3	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-A	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-B	7/24/2024	S	1 JAR 1 BAG				X											1 JAR 1 BAG
	BH2-C	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH2-D	7/24/2024	S	1 JAR 1 BAG				X										X	1 JAR 1 BAG
	BH2-E	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	BH2-F	7/24/2024	S	1 JAR 1 BAG														X	1 BAG
	FCF100	7/24/2024	ACM	1 BAG														X	1 BAG
	FCF101	7/24/2024	ACM	1 BAG															1 JAR 1 BAG
	BH4-0.3	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	BH4-0.5	7/24/2024	S	1 JAR 1 BAG				X		X								X	1 JAR 1 BAG
	BH4-A	7/24/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	BH4-B	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH4-C	7/24/2024	S	1 JAR 1 BAG				X		X									1 JAR 1 BAG
	BH4-D	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	BH4-E	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	BH4-F	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	BH4-G	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	BH4-H	7/24/2024	S	1 JAR 1 BAG				X		x									1 JAR 1 BAG
	T-A	7/24/2024	S	1 JAR												x	x		1 JAR
	T-B	7/24/2024	S	1 JAR												x	x		1 JAR
	T-C	7/24/2024	S	1 JAR												x	x		1 JAR
	HA-A/0.1	7/24/2024	S	1 JAR								X	X						1 JAR
	HA-A/0.3	7/24/2024	S	1 JAR								X	X						1 JAR
	HA-A/0.5	7/24/2024	S	1 JAR														X	1 JAR
	HA-B/0.1	7/24/2025	S	1 JAR								X	X						
	HA-B/0.5	7/24/2026	S	1 JAR														X	
	SP1-A	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	SP1-B	7/24/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	SP1-C	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	STP50-0.3	7/24/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	STP50-0.5	7/24/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	SS-01	7/25/2024	S	1 JAR														x	1 JAR
	QA10	7/24/2024	S	1 JAR												X	X		1 JAR
	QA10A	7/24/2024	S	1 JAR												X	X		1 JAR, PLEASE FORWARD TO ALS
	RINSATE01	7/24/2024	W	4 BOTTLES								X	X				X		1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
	SOIL TRIP SPIKE 5	7/23/2024	S	1 VIAL							x								1VIAL exp:06/08/2024
	SOIL TRIP BLANK 5	7/23/2024	S	1 VIAL							x								1 VIAL exp:06/08/2024
					TOTAL 0	0	0	9	0	15	2	5	5	0	5	6	24	0	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book

1123575

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Rec: 21/8/24 1100

Environmental Division
Sydney
Work Order Reference
ES2425382

Telephone : +61-2-8784 8555

SMEC

CHAIN OF CUSTODY FORM

SMEC OFFICE: SMEC Perth Sydney PROJECT: 30019043 Leighton Dalrymple	TURNAROUND REQUIREMENTS : X Standard • 5 day TAT	LAB: Envirolab ATTENTION: Kane Bishop/ Temple Randall ADDRESS TO (ADDRESS & PHONE NO.): Delivery due 2. 179 Magowar Rd, Girraween NSW 2145
PROJECT NUMBER: 30019043	LAB QUOTE NO.:	DOC SEQUENCE NUMBER (Circle) SMEC: 1 2 3 4 5 6 7 SF: 1 2 3 4 5 6 7
PROJECT MANAGER: Steven Shaw	CONTACT PH: 92760561	
SAMPLED BY: Arthur Hang, Harrison Wood, Pauline Vrolijk		
DATE SAMPLED: 24-25/07/2024	RELINQUISHED BY: DATE/TIME:	RECEIVED BY: DATE/TIME:
Email Reports to (will default to PM if blank): Arthur.Hang@smec.com, Harrison.Wood@smec.com,Steven.Shaw@smec.com, Pauline.Vrolijk@smec.com	Attorney 25/07 17:15 (2x vellum) 26/07 10:56 (2x vellum)	
Email Invoice to (will default to PM if blank): Fernando.Paredes@smec.com		
Special Laboratory Instructions:		
ESDAT format results please		

SAMPLE DETAILS						ANALYSIS REQUIRED										COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Cu/Ni/Cr	Zinc	Trivalent chromium	Salt	Asbestos WA guidelines	TRH/BTEX/PAH	BTEX/PAH	8 METALS	Hexavalent chromium (acidic soils)	OH PCBs	HOLDING DETAILS
	STP39-0.3	7/25/2024	S	1 JAR											X	1 JAR
	STP39-A	7/25/2024	S	1 JAR					X							1 JAR
	STP39-B	7/25/2024	S	1 JAR					X							1 JAR
	STP39-C	7/25/2024	S	1 JAR					X							1 JAR
	STP39-D	7/25/2024	S	1 JAR					X							1 JAR
	STP39-E	7/25/2024	S	1 JAR											X	1 JAR
	STP39-F	7/25/2024	S	1 JAR											X	1 JAR
	STP39-G	7/25/2024	S	1 JAR											X	1 JAR
	STP39-H	7/25/2024	S	1 JAR											X	1 JAR
	BH8-0.3	7/25/2024	S	1 JAR											X	1 JAR
	BH8-A	7/25/2024	S	1 JAR				X	X							1 JAR
	BH8-B	7/25/2024	S	1 JAR				X	X							1 JAR
	BH8-C	7/25/2024	S	1 JAR				X	X							1 JAR
	BH8-D	7/25/2024	S	1 JAR				X	X							1 JAR
	BH8-E	7/25/2024	S	1 JAR											X	1 JAR
	BH8-F	7/25/2024	S	1 JAR											X	1 JAR
	BH8-G	7/25/2024	S	1 JAR											X	1 JAR
	BH8-H	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-0.2	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-A	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-B	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-C	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-D	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-E	7/25/2024	S	1 JAR											X	1 JAR
	SHA16-F	7/25/2024	S	1 JAR					X							1 JAR
	SHA16-G	7/25/2024	S	1 JAR					X							1 JAR
	SHA16-H	7/25/2024	S	1 JAR											X	1 JAR
	BH9-0.5	7/25/2024	S	1 JAR 1 BAG						X						1 JAR 1 BAG
	BH9-A	7/25/2024	S	1 JAR 1 BAG						X						1 JAR 1 BAG
	BH9-B	7/25/2024	S	1 JAR 1 BAG						X						1 JAR 1 BAG
	BH9-C	7/25/2024	S	1 JAR 1 BAG						X						1 JAR 1 BAG
	BH9-D	7/25/2024	S	1 JAR 1 BAG						X						1 JAR 1 BAG
	BH9-E	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	BH9-F	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	BH9-G	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	BH9-H	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	SS-02	7/25/2024	S	1 JAR									X	X	X	1 JAR
	STP21-0.4	7/25/2024	S	1 JAR		x	X									1 JAR
	STP21-A	7/25/2024	S	1 JAR		x	X									1 JAR
	STP21-B	7/25/2024	S	1 JAR		x	X									1 JAR
	STP21-C	7/25/2024	S	1 JAR		x	X									1 JAR
	STP21-D	7/25/2024	S	1 JAR		x	X									1 JAR
	STP21-E	7/25/2024	S	1 JAR											X	1 JAR
	STP21-F	7/25/2024	S	1 JAR											X	1 JAR
	STP21-G	7/25/2024	S	1 JAR											X	1 JAR
	ACM02-0.3	7/25/2024	S	1 JAR 1 BAG					X							1 JAR 1 BAG
	ACM02-A	7/25/2024	S	1 JAR 1 BAG					X							1 JAR 1 BAG
	ACM02-B	7/25/2024	S	1 JAR 1 BAG					X							1 JAR 1 BAG
	ACM02-C	7/25/2024	S	1 JAR 1 BAG					X							1 JAR 1 BAG
	ACM02-D	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	ACM02-E	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	ACM02-F	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	STP07-0.3	7/25/2024	S	1 JAR 1 BAG			X									1 JAR 1 BAG
	STP07-A	7/25/2024	S	1 JAR 1 BAG			X									1 JAR 1 BAG
	STP07-B	7/25/2024	S	1 JAR 1 BAG			X									1 JAR 1 BAG
	STP07-C	7/25/2024	S	1 JAR 1 BAG			X									1 JAR 1 BAG
	STP07-D	7/25/2024	S	1 JAR 1 BAG			X									1 JAR 1 BAG
	STP07-E	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	STP07-F	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	STP07-G	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	STP07-H	7/25/2024	S	1 JAR 1 BAG											X	1 JAR 1 BAG
	QA11	7/25/2024	S	1 JAR											X	1 JAR
	QA11A	7/25/2024	S	1 JAR											X	1 JAR, PLEASE FORWARD TO ALS
					0	5	10	4	14	5	0	1	1	1	33	0

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in C&C book

Received
21/8/24
1100

2

SMEC

CHAIN OF CUSTODY FORM

SMEC OFFICE: SMEC North Sydney
PROJECT: 3001043 Leppington Defrawton

TURNAROUND REQUIREMENTS: LX Standard - 5 day TAT

LAB: Eurofins
ATTENTION: Adam Belessi/ Sample Receipt
DISPATCH TO (ADDRESS & PHONE NO.):
Delivery door 2, 179 Magowar Rd, Glenmore NSW 2145

PROJECT NUMBER: 3001043
LAB QUOTE NO.:
CHAIN OF CUSTODY NUMBER (if any):
COC: 1 2 3 4 5 6 7
PROJECT MANAGER: Steven Slaw
CONTACT PH: 0292220441
SAMPLED BY: Amber Hoang, Harrison Wood, Pauline Vouttilis
OP: 1 2 3 4 5 6 7
DATE SAMPLED: 24/07/2024
RELINQUISHED BY: DATE/TIME: Alhoang 24/07 17:15 (Tuesday)
RECEIVED BY: DATE/TIME:
Email Reports to (will default to PM if blank): Amber.Hoang@smec.com, Harrison.Wood@smec.com, Steven.Slaw@smec.com, Pauline.Vouttilis@smec.com
Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com
Special Laboratory Instructions:
TSCRAT forward results please

SAMPLE DETAILS						ANALYSIS REQUIRED												COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	QA/SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH (silica gel cleaned)	PAH	Asbestos WA guideline	TRH/BTEX/HSEAS	BH / TPH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B.S.L / OCP, OPP, PCB	8 METALS (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B.S.L (OCP, OPP)	Hydrides (chemical acids) ASRIS	ON HOLD	FORWARD TO ALS	
	BH30-0.3	7/26/2024	S	1 JAR			X												1 JAR
	BH30-A	7/26/2024	S	1 JAR			X												1 JAR
	BH30-B	7/26/2024	S	1 JAR			X												1 JAR
	BH30-C	7/26/2024	S	1 JAR			X												1 JAR
	BH30-D	7/26/2024	S	1 JAR			X												1 JAR
	BH30-E	7/26/2024	S	1 JAR													X		1 JAR
	BH30-F	7/26/2024	S	1 JAR													X		1 JAR
	BH30-G	7/26/2024	S	1 JAR													X		1 JAR
	BH30-H	7/26/2024	S	1 JAR													X		1 JAR
	STP08-0.3	7/26/2024	S	1 JAR			X												1 JAR
	STP08-A	7/26/2024	S	1 JAR			X												1 JAR
	STP08-B	7/26/2024	S	1 JAR			X												1 JAR
	STP08-C	7/26/2024	S	1 JAR			X												1 JAR
	STP08-D	7/26/2024	S	1 JAR			X												1 JAR
	STP08-E	7/26/2024	S	1 JAR													X		1 JAR
	STP08-F	7/26/2024	S	1 JAR													X		1 JAR
	STP08-G	7/26/2024	S	1 JAR													X		1 JAR
	STP08-H	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-0.3	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-A	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-B	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-C	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-D	7/26/2024	S	1 JAR			X												1 JAR
	SHA01-E	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-F	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-G	7/26/2024	S	1 JAR													X		1 JAR
	SHA01-H	7/26/2024	S	1 JAR													X		1 JAR
	STP10-0.3	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-A	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-B	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-C	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-D	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-E	7/26/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	STP10-F	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-G	7/26/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	STP10-H	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-I	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-O	7/26/2024	S	1 JAR 1 BAG													X		1 JAR 1 BAG
	STP10-P	7/26/2024	S	1 JAR 1 BAG						X									1 JAR 1 BAG
	STP10-B-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	STP10-F-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	STP10-H-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	STP10-I-FC	7/26/2024	ACM	1 BAG													X		1 BAG
	HA-D/0.1-0.2	7/26/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	HA-D/0.3-0.4	7/26/2024		1 JAR								X	X						1 JAR
	HA-E/0.2-0.3	7/26/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	HA-E/0.3-0.4	7/26/2024		1 JAR													X		1 JAR
	HA-F/0.1-0.2	7/26/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	HA-F/0.5-0.6	7/26/2024		1 JAR								X	X						1 JAR
	HA-G/0.1-0.2	7/26/2024	S	1 JAR 1 BAG								X	X						1 JAR 1 BAG
	HA-G/0.4-0.5	7/26/2024	S	1 JAR													X		1 JAR
	SS-03	7/26/2024	S	1 JAR													X		
3	QA12	7/26/2024	S	1 JAR			X												1 JAR
	QA12A	7/26/2024	S	1 JAR			X											X	1 JAR, PLEASE FORWARD TO ALS
4	QA13	7/26/2024	S	1 JAR			X												1 JAR
	QA13A	7/26/2024	S	1 JAR			X											X	1 JAR, PLEASE FORWARD TO ALS
5	QA14	7/26/2024	S	1 JAR								X	X						1 JAR
	QA14A	7/26/2024	S	1 JAR								X	X					X	1 JAR, PLEASE FORWARD TO ALS
	RINSATE02	7/26/2024	W	4 BOTTLES								X	X						1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
				TOTAL	0	0	19	0	0	3	0	9	9	0	0	0	28	3	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book.

Rec. 24/7/24 1100

CHAIN OF CUSTODY FORM

SMEC

SMEC OFFICE: SMEC North Sydney	TURNAROUND REQUIREMENTS : X Standard - 5 day TAT	LAB: Eurofins ATTENTION: Adam Bateup/ Sample Receipt DISPATCH TO (ADDRESS & PHONE NO.): Delivery door 2, 179 Magowar Rd, Glenmore NSW 2145
PROJECT: 30018043 Leppington Delineation		
PROJECT NUMBER: 30018043	LAB QUOTE NO.:	COC SEQUENCE NUMBER (Circle) COC: 1 2 3 4 5 6 7
PROJECT MANAGER: Steven Shaw	CONTACT PH: 0299255841	OF: 1 2 3 4 5 6 7
SAMPLED BY: Amber Huang, Harrison Wood, Pauline Voulidis	RELINQUISHED BY: DATE/TIME:	RECEIVED BY: DATE/TIME:
DATE SAMPLED: 24-29/07/2024	Alhuang 26/07 17:15 (7x eskies) 29/07 13:50 (2x eskies)	All
Email Reports to (will default to PM if blank): Amber.Huang@smec.com; Harrison.Wood@smec.com,Steven.Shaw@smec.com; Pauline.Voulidis@smec.com		RECEIVED BY: DATE/TIME:
Email Invoice to (will default to PM if blank): Accounts.Payable@smec.com		
Special Laboratory instructions: ESDAT format results please		

SAMPLE DETAILS						ANALYSIS REQUIRED													COMMENTS
LAB ID	SAMPLE ID	DATE / TIME	SAMPLE MATRIX	CONTAINER TYPE & PRESERVATIVE	TOTAL NO. CONTAINERS	Copper	Zinc	TRH SOLIDA GEL CLEANUP	PAH	Asbestos WA guidelines	TRH/OC/BTEX	B8 : TRH, VOC, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	B18 : OCP, OPP, PCB	8 METALS	B14 (OCP, OPP)	Herbicide (phenoxy acetic acids)	ON HOLD	FORWARD TO ALS	
	HA-H/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-H/0.3	7/29/2024	S	1 JAR										X	X	X			1 JAR
	HA-I/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X	X		1 JAR 1 BAG
	HA-I/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-J/0.1	7/29/2024	S	1 JAR 1 BAG								X	X			X			1 JAR 1 BAG
	HA-J/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-K/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-K/0.2	7/29/2024	S	1 JAR														X	1 JAR
	HA-L/0.2	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-L/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-M/0.0	7/29/2024	S	1 JAR 1 BAG								X	X			X			1 JAR 1 BAG
	HA-M/0.3	7/29/2024	S	1 JAR								X	X			X			1 JAR
	HA-N/0.0	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-N/0.2	7/29/2024	S	1 JAR														X	1 JAR
	HA-O/0.1	7/29/2024	S	1 JAR 1 BAG										X	X	X			1 JAR 1 BAG
	HA-O/0.2	7/29/2024	S	1 JAR														X	1 JAR
	HA-P/0.1	7/29/2024	S	1 JAR 1 BAG														X	1 JAR 1 BAG
	HA-P/0.4	7/29/2024	S	1 JAR										X	X	X			1 JAR
	HA-Q/0.1	7/29/2024	S	1 JAR 1 BAG												X			1 JAR 1 BAG
	HA-Q/0.3	7/29/2024	S	1 JAR								X	X					X	1 JAR
	HA-R/0.0	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-R/0.2	7/29/2024	S	1 JAR														X	1 JAR
	HA-S/0.1	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-S/0.3	7/29/2024	S	1 JAR												X	X	X	1 JAR
	HA-T/0.0	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-T/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-U/0.0	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-U/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-V/0.1	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-V/0.3	7/29/2024	S	1 JAR														X	1 JAR
	HA-W/0.0	7/29/2024	S	1 JAR 1 BAG															1 JAR 1 BAG
	HA-W/0.3	7/29/2024	S	1 JAR								X	X					X	1 JAR
	HA-C/0.2	7/29/2024	S	1 JAR 1 BAG												X	X	X	1 JAR 1 BAG
	HA-C/0.5	7/29/2024	S	1 JAR												X	X	X	1 JAR
	QA15	7/29/2024	S	1 JAR														X	1 JAR, PLEASE FORWARD TO ALS
	QA15A	7/29/2024	S	1 JAR								X	X					X	1 JAR
	QA16	7/29/2024	S	1 JAR								X	X					X	1 JAR, PLEASE FORWARD TO ALS
	QA16A	7/29/2024	S	1 JAR								X	X					X	1 AMBER UP, UF; 2 VIALS P, UF; 1 PLASTIC UP, UF
	RINSATE03	7/29/2024	W	4 BOTTLES															
				TOTAL	0	0	0	0	0	0	0	8	8	17	17	24	14	2	

Notes: Low Reporting limits required for groundwater as specified by SMEC Australia Pty Ltd. Copies: WHITE: send to lab, YELLOW: to be placed in project file, PINK: to be retained in CoC book

Rec: 29/7/24 1700

6
7

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2425382**

Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MR STEVEN SHAW	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: steven.shaw@smec.com	E-mail	: ALSEnviro.Sydney@ALSGlobal.com
Telephone	: +61 02 9925 5555	Telephone	: +61 2 8784 8555
Facsimile	: +61 02 9925 5566	Facsimile	: +61-2-8784 8500
Project	: 30018043 Leppington Delineation	Page	: 1 of 3
Order number	: ----	Quote number	: EP2023SMEAUS0001 (EN/111)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: ----		
Sampler	: Amber Huang, Harrison Wood, Pauline Voukidis		

Dates

Date Samples Received	: 02-Aug-2024 17:00	Issue Date	: 05-Aug-2024
Client Requested Due Date	: 12-Aug-2024	Scheduled Reporting Date	: **12-Aug-2024**

Delivery Details

Mode of Delivery	: Carrier	Security Seal	: Intact.
No. of coolers/boxes	: 1	Temperature	: 12.0'c, 13.8'C, 14.9'C - Ice Bricks present
Receipt Detail	: Hard Esky	No. of samples received / analysed	: 7 / 6

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **Sample(s) requiring volatile organic compound analysis received in airtight containers (ZHE).**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	(On Hold) SOIL No analysis requested	SOIL - EA055-103 Moisture Content	SOIL - EG005T (solids) Total Metals by ICP-AES	SOIL - EP202 (solids) Phenoxyacetic acids	SOIL - S-02 8 Metals (incl. Digestion)	SOIL - S-10 TRH/VOC/PAH	SOIL - S-12 OC/OP Pesticides
ES2425382-001	24-Jul-2024 00:00	QA10A		✓		✓			✓
ES2425382-002	25-Jul-2024 00:00	QA11A	✓						
ES2425382-003	26-Jul-2024 00:00	QA12A		✓	✓				
ES2425382-004	26-Jul-2024 00:00	QA13A		✓	✓				
ES2425382-005	26-Jul-2024 00:00	QA14A		✓			✓	✓	
ES2425382-006	29-Jul-2024 00:00	QA15A		✓		✓	✓		✓
ES2425382-007	29-Jul-2024 00:00	QA16A		✓			✓	✓	

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - S-13 OC/OP/PCB
ES2425382-005	26-Jul-2024 00:00	QA14A	✓
ES2425382-007	29-Jul-2024 00:00	QA16A	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS INVOICES

- A4 - AU Tax Invoice (INV)	Email	accounts.payable@smec.com

Amber Huang

- *AU Certificate of Analysis - NATA (COA)	Email	Amber.Huang@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	Amber.Huang@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	Amber.Huang@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	Amber.Huang@smec.com
- Chain of Custody (CoC) (COC)	Email	Amber.Huang@smec.com
- EDI Format - ENMRG (ENMRG)	Email	Amber.Huang@smec.com
- EDI Format - ESDAT (ESDAT)	Email	Amber.Huang@smec.com

Harrison Wood

- *AU Certificate of Analysis - NATA (COA)	Email	harrison.wood@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	harrison.wood@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	harrison.wood@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	harrison.wood@smec.com
- Chain of Custody (CoC) (COC)	Email	harrison.wood@smec.com
- EDI Format - ENMRG (ENMRG)	Email	harrison.wood@smec.com
- EDI Format - ESDAT (ESDAT)	Email	harrison.wood@smec.com

Pauline Voukidis

- *AU Certificate of Analysis - NATA (COA)	Email	pauline.voukidis@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	pauline.voukidis@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	pauline.voukidis@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	pauline.voukidis@smec.com
- Chain of Custody (CoC) (COC)	Email	pauline.voukidis@smec.com
- EDI Format - ENMRG (ENMRG)	Email	pauline.voukidis@smec.com
- EDI Format - ESDAT (ESDAT)	Email	pauline.voukidis@smec.com

STEVEN SHAW

- *AU Certificate of Analysis - NATA (COA)	Email	steven.shaw@smec.com
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	steven.shaw@smec.com
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	steven.shaw@smec.com
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	steven.shaw@smec.com
- Chain of Custody (CoC) (COC)	Email	steven.shaw@smec.com
- EDI Format - ENMRG (ENMRG)	Email	steven.shaw@smec.com
- EDI Format - ESDAT (ESDAT)	Email	steven.shaw@smec.com

QUALITY CONTROL REPORT

Work Order	: **ES2425382**	Page	: 1 of 15
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MR STEVEN SHAW	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: +61 02 9925 5555	Telephone	: +61 2 8784 8555
Project	: 30018043 Leppington Delineation	Date Samples Received	: 02-Aug-2024
Order number	: 30018043	Date Analysis Commenced	: 05-Aug-2024
C-O-C number	: ----	Issue Date	: 09-Aug-2024
Sampler	: Amber Huang, Harrison Wood, Pauline Voukidis		
Site	: ----		
Quote number	: EN/111		
No. of samples received	: 7		
No. of samples analysed	: 6		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

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

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 5973942)									
ES2425606-006	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	346	356	2.7	0% - 20%
		EG005T: Nickel	7440-02-0	2	mg/kg	42	39	7.8	0% - 20%
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	294	336	13.5	0% - 20%
		EG005T: Lead	7439-92-1	5	mg/kg	18	17	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	356	427	18.0	0% - 20%
ES2425382-005	QA14A	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	22	22	0.0	0% - 50%
		EG005T: Nickel	7440-02-0	2	mg/kg	13	12	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	6	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	50	45	9.2	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	30	29	4.6	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	127	123	3.5	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5973947)									
ES2425382-005	QA14A	EA055: Moisture Content	----	0.1 (1.0)*	%	15.0	16.3	8.4	0% - 50%
ES2425688-005	Anonymous	EA055: Moisture Content	----	0.1	%	9.6	9.4	2.3	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5975525)									
ES2425315-057	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	8.9	8.4	5.5	No Limit
ES2425402-008	Anonymous	EA055: Moisture Content	----	0.1	%	11.9	12.6	5.8	0% - 20%

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 5973943)									
ES2425382-005	QA14A	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
ME2401255-004	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 5968504)									
ES2425382-005	QA14A	EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 5968502)									
ES2425382-005	QA14A	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	0.08	0.07	22.7	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 5968502)									
ES2425382-005	QA14A	EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 5968502) - continued									
ES2425382-005	QA14A	EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	<5	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074D: Fumigants (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074E: Halogenated Aliphatic Compounds (QC Lot: 5970004) - continued									
ES2425382-005	QA14A	EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloromethane	74-87-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Bromomethane	74-83-9	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloroethane	75-00-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	<5	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 5970004)									
ES2425382-005	QA14A	EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP074G: Trihalomethanes (QC Lot: 5970004) - continued									
ES2425382-005	QA14A	EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 5968503)									
ES2425382-005	QA14A	EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5968505)									
ES2425382-005	QA14A	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 5970005)									
ES2425382-005	QA14A	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5968505)									
ES2425382-005	QA14A	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 5970005)									
ES2425382-005	QA14A	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 5970005)									
ES2425382-005	QA14A	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP080: BTEXN (QC Lot: 5970005) - continued									
ES2425382-005	QA14A	EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QC Lot: 5973739)									
ES2425382-001	QA10A	EP202: 4-Chlorophenoxy acetic acid	122-88-3	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-DB	94-82-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Dicamba	1918-00-9	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Mecoprop	93-65-2	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: MCPA	94-74-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-DP	120-36-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4-D	94-75-7	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Triclopyr	55335-06-3	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4.5-TP (Silvex)	93-72-1	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: 2.4.5-T	93-76-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: MCPB	94-81-5	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Picloram	1918-02-1	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Clopyralid	1702-17-6	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit
		EP202: Fluroxypyr	69377-81-7	0.02 (0.04)*	mg/kg	<0.04	<0.04	0.0	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 5973942)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	96.8	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	99.3	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	107	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	102	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	100	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	93.6	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	90.7	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5973943)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	96.6	70.0	125
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5968504)								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	1 mg/kg	81.5	62.0	126
EP068A: Organochlorine Pesticides (OC) (QCLot: 5968502)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	80.4	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	88.4	67.0	119
EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	89.6	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	83.4	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	82.5	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	87.6	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	85.4	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	93.5	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.5	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	87.8	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	91.6	66.0	116
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	92.3	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	81.2	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	89.6	69.0	115
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	84.8	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	107	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.7	62.0	124

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP068A: Organochlorine Pesticides (OC) (QCLot: 5968502) - continued								
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	104	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	87.3	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	92.2	54.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5968502)								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	91.1	59.0	119
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.4	62.0	128
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	91.0	54.0	126
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	86.0	67.0	119
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	84.3	70.0	120
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	84.9	72.0	120
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	84.5	68.0	120
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	81.9	68.0	122
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	87.2	69.0	117
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	86.8	76.0	118
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	83.9	64.0	122
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	86.3	70.0	116
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	76.8	69.0	121
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	87.3	66.0	118
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	76.2	68.0	124
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	92.5	62.0	112
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	86.4	68.0	120
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	89.2	65.0	127
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	67.4	41.0	123
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 5970004)								
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	90.4	67.0	113
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	91.6	65.0	117
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	89.4	66.0	122
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	90.0	68.0	118
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	91.6	69.0	119
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	92.5	69.0	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	89.3	69.0	115
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	89.8	66.0	118
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	90.2	59.0	125
EP074B: Oxygenated Compounds (QCLot: 5970004)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074B: Oxygenated Compounds (QCLot: 5970004) - continued								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	78.4	29.6	156
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	82.6	58.0	136
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	88.7	62.0	132
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	87.5	54.0	136
EP074C: Sulfonated Compounds (QCLot: 5970004)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	76.8	54.0	126
EP074D: Fumigants (QCLot: 5970004)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	88.3	60.0	126
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	90.5	68.0	124
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	84.2	51.0	119
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	81.5	52.0	114
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	89.7	63.0	115
EP074E: Halogenated Aliphatic Compounds (QCLot: 5970004)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	63.0	30.0	148
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	85.1	41.0	141
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	82.0	43.0	147
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	80.9	47.0	141
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	86.3	49.0	143
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	90.5	49.0	135
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	86.0	54.0	126
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	82.7	43.0	129
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	88.2	64.0	120
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	90.4	67.0	125
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	90.3	69.0	121
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	85.3	65.0	117
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	88.3	65.0	123
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	81.3	59.0	125
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	90.3	65.0	125
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	89.8	70.0	118
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	88.0	68.0	118
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	90.8	64.0	126
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	91.2	68.0	122
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	91.9	67.0	143
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	83.5	62.0	122

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 5970004) - continued								
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	73.9	54.0	128
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	85.6	55.0	129
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	93.3	65.0	121
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	92.7	61.0	125
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	81.8	19.8	134
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	75.9	53.0	129
EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1 mg/kg	94.6	50.0	128
EP074F: Halogenated Aromatic Compounds (QCLot: 5970004)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	91.7	68.0	116
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	88.3	70.0	114
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	92.3	68.0	122
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	89.3	67.0	123
EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1 mg/kg	93.7	70.0	116
EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1 mg/kg	95.0	67.0	117
EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1 mg/kg	91.6	70.0	114
EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1 mg/kg	93.2	48.0	122
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	97.8	52.0	122
EP074G: Trihalomethanes (QCLot: 5970004)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	97.9	66.0	124
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	84.6	61.0	121
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	82.2	63.0	121
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	80.4	60.0	126
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5968503)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	83.9	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	74.1	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	81.6	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	81.2	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	84.0	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	82.2	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	79.4	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	77.8	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	81.9	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	86.5	75.0	127

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5968503) - continued								
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	6 mg/kg	85.4	68.0	116
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	89.3	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	77.3	70.0	126
EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	84.4	61.0	121
EP075(SIM): Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	77.8	62.0	118
EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	82.0	63.0	121
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5968505)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	108	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	101	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	109	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5970005)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	98.3	72.2	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5968505)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	105	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	101	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	109	63.0	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5970005)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	96.2	72.4	133
EP080: BTEXN (QCLot: 5970005)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	93.0	76.0	124
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	102	78.5	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	98.3	77.4	121
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	111	78.2	121
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	107	81.3	121
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	94.4	78.8	122
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5973739)								
EP202: 4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg	<0.02	0.1 mg/kg	70.6	54.4	128
EP202: 2.4-DB	94-82-6	0.02	mg/kg	<0.02	0.1 mg/kg	68.2	45.5	130
EP202: Dicamba	1918-00-9	0.02	mg/kg	<0.02	0.1 mg/kg	62.2	51.7	135
EP202: Mecoprop	93-65-2	0.02	mg/kg	<0.02	0.1 mg/kg	78.7	60.0	130
EP202: MCPA	94-74-6	0.02	mg/kg	<0.02	0.1 mg/kg	79.4	56.8	131
EP202: 2.4-DP	120-36-5	0.02	mg/kg	<0.02	0.1 mg/kg	75.8	50.0	141
EP202: 2.4-D	94-75-7	0.02	mg/kg	<0.02	0.1 mg/kg	73.8	68.5	131

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5973739) - continued								
EP202: Triclopyr	55335-06-3	0.02	mg/kg	<0.02	0.1 mg/kg	68.6	50.8	141
EP202: 2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg	<0.02	0.1 mg/kg	76.1	40.8	126
EP202: 2.4.5-T	93-76-5	0.02	mg/kg	<0.02	0.1 mg/kg	78.1	57.4	139
EP202: MCPB	94-81-5	0.02	mg/kg	<0.02	0.1 mg/kg	78.5	38.9	137
EP202: Picloram	1918-02-1	0.02	mg/kg	<0.02	0.1 mg/kg	62.8	48.7	129
EP202: Clopyralid	1702-17-6	0.02	mg/kg	<0.02	0.1 mg/kg	64.3	49.4	106
EP202: Fluroxypyr	69377-81-7	0.02	mg/kg	<0.02	0.1 mg/kg	83.6	53.2	128

Matrix Spike (MS) Report

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

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 5973942)							
ES2425382-003	QA12A	EG005T: Arsenic	7440-38-2	50 mg/kg	91.0	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	94.1	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	97.6	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	96.0	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	91.3	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	95.4	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	91.7	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 5973943)							
ES2425382-005	QA14A	EG035T: Mercury	7439-97-6	5 mg/kg	92.0	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 5968504)							
ES2425382-005	QA14A	EP066: Total Polychlorinated biphenyls	----	1 mg/kg	114	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 5968502)							
ES2425382-005	QA14A	EP068: gamma-BHC - (Lindane)	58-89-9	0.5 mg/kg	108	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	97.3	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	108	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	117	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	91.9	70.0	130
		EP068: 4.4`-DDT	50-29-3	2 mg/kg	100	70.0	130
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5968502)							
ES2425382-005	QA14A	EP068: Diazinon	333-41-5	0.5 mg/kg	108	70.0	130

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP068B: Organophosphorus Pesticides (OP) (QCLot: 5968502) - continued							
ES2425382-005	QA14A	EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	77.1	70.0	130
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	90.2	70.0	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	100.0	70.0	130
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	114	70.0	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 5970004)							
ES2425382-005	QA14A	EP074: 1.1-Dichloroethene	75-35-4	2.5 mg/kg	86.1	70.0	130
		EP074: Trichloroethene	79-01-6	2.5 mg/kg	91.6	70.0	130
EP074F: Halogenated Aromatic Compounds (QCLot: 5970004)							
ES2425382-005	QA14A	EP074: Chlorobenzene	108-90-7	2.5 mg/kg	92.8	70.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 5968503)							
ES2425382-005	QA14A	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	87.9	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	86.8	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5968505)							
ES2425382-005	QA14A	EP071: C10 - C14 Fraction	----	480 mg/kg	108	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	125	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	130	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 5970005)							
ES2425382-005	QA14A	EP080: C6 - C9 Fraction	----	32.5 mg/kg	92.3	60.4	142
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5968505)							
ES2425382-005	QA14A	EP071: >C10 - C16 Fraction	----	860 mg/kg	97.8	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	128	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	126	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 5970005)							
ES2425382-005	QA14A	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	90.7	61.1	142
EP080: BTEXN (QCLot: 5970005)							
ES2425382-005	QA14A	EP080: Benzene	71-43-2	2.5 mg/kg	95.8	62.1	122
		EP080: Toluene	108-88-3	2.5 mg/kg	102	66.6	119
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	92.3	67.4	123
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2.5 mg/kg	114	66.4	121
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	108	70.7	121
		EP080: Naphthalene	91-20-3	2.5 mg/kg	95.6	61.1	115
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5973739)							
ES2425382-001	QA10A	EP202: Mecoprop	93-65-2	0.1 mg/kg	67.1	60.0	140
		EP202: MCPA	94-74-6	0.1 mg/kg	67.3	57.0	143
		EP202: 2.4-D	94-75-7	0.1 mg/kg	68.4	68.0	139

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP202A: Phenoxyacetic Acid Herbicides by LCMS (QCLot: 5973739) - continued							
ES2425382-001	QA10A	EP202: Triclopyr	55335-06-3	0.1 mg/kg	65.2	51.0	145
		EP202: 2.4.5-T	93-76-5	0.1 mg/kg	70.6	57.0	142
		EP202: Picloram	1918-02-1	0.1 mg/kg	64.5	49.0	138
		EP202: Clopyralid	1702-17-6	0.1 mg/kg	68.0	49.0	149

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2425382**	Page	: 1 of 9
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MR STEVEN SHAW	Telephone	: +61 2 8784 8555
Project	: 30018043 Leppington Delineation	Date Samples Received	: 02-Aug-2024
Site	: ----	Issue Date	: 09-Aug-2024
Sampler	: Amber Huang, Harrison Wood, Pauline Voukidis	No. of samples received	: 7
Order number	: 30018043	No. of samples analysed	: 6

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

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

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation			Analysis		
	Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA055: Moisture Content (Dried @ 105-110°C)						
Soil Glass Jar - Unpreserved						
QA10A	----	----	----	08-Aug-2024	07-Aug-2024	1
EP074A: Monocyclic Aromatic Hydrocarbons						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074B: Oxygenated Compounds						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074C: Sulfonated Compounds						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074D: Fumigants						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074E: Halogenated Aliphatic Compounds						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074F: Halogenated Aromatic Compounds						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP074G: Trihalomethanes						
Soil Glass Jar - Unpreserved						
QA14A	06-Aug-2024	02-Aug-2024	4	06-Aug-2024	02-Aug-2024	4
Soil Glass Jar - Unpreserved						
QA16A	06-Aug-2024	05-Aug-2024	1	06-Aug-2024	05-Aug-2024	1
EP202A: Phenoxyacetic Acid Herbicides by LCMS						

Matrix: **SOIL**

Method / Container / Client Sample ID(s)	Extraction / Preparation: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Days overdue	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Days overdue
EP202A: Phenoxyacetic Acid Herbicides by LCMS - Analysis Holding Time Compliance						
Soil Glass Jar - Unpreserved						
QA10A	08-Aug-2024	07-Aug-2024	**1**	----	----	----

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL** Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation: Date extracted	Extraction / Preparation: Due for extraction	Extraction / Preparation: Evaluation	Analysis: Date analysed	Analysis: Due for analysis	Analysis: Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
Soil Glass Jar - Unpreserved (EA055) QA10A	**24-Jul-2024**	**----**	----	----	**08-Aug-2024**	07-Aug-2024	×
Soil Glass Jar - Unpreserved (EA055) QA12A, QA13A, QA14A	**26-Jul-2024**	**----**	----	----	**07-Aug-2024**	09-Aug-2024	✓
Soil Glass Jar - Unpreserved (EA055) QA15A, QA16A	**29-Jul-2024**	**----**	----	----	**07-Aug-2024**	12-Aug-2024	✓
EG005(ED093)T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T) QA12A, QA13A, QA14A	**26-Jul-2024**	**07-Aug-2024**	22-Jan-2025	✓	**08-Aug-2024**	22-Jan-2025	✓
Soil Glass Jar - Unpreserved (EG005T) QA15A, QA16A	**29-Jul-2024**	**07-Aug-2024**	25-Jan-2025	✓	**08-Aug-2024**	25-Jan-2025	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T) QA14A	**26-Jul-2024**	**07-Aug-2024**	23-Aug-2024	✓	**09-Aug-2024**	23-Aug-2024	✓
Soil Glass Jar - Unpreserved (EG035T) QA15A, QA16A	**29-Jul-2024**	**07-Aug-2024**	26-Aug-2024	✓	**09-Aug-2024**	26-Aug-2024	✓
EP066: Polychlorinated Biphenyls (PCB)							
Soil Glass Jar - Unpreserved (EP066) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP066) QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068) QA10A	**24-Jul-2024**	**05-Aug-2024**	07-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA15A, QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved (EP068) QA10A	**24-Jul-2024**	**05-Aug-2024**	07-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP068) QA15A, QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**07-Aug-2024**	14-Sep-2024	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP074D: Fumigants							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved (EP074) QA14A	**26-Jul-2024**	**06-Aug-2024**	02-Aug-2024	×	**06-Aug-2024**	02-Aug-2024	×
Soil Glass Jar - Unpreserved (EP074) QA16A	**29-Jul-2024**	**06-Aug-2024**	05-Aug-2024	×	**06-Aug-2024**	05-Aug-2024	×
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**06-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP075(SIM)) QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**06-Aug-2024**	14-Sep-2024	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP071) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**08-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP080) QA14A	**26-Jul-2024**	**06-Aug-2024**	09-Aug-2024	✓	**06-Aug-2024**	09-Aug-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**08-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP080) QA16A	**29-Jul-2024**	**06-Aug-2024**	12-Aug-2024	✓	**06-Aug-2024**	12-Aug-2024	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP071) QA14A	**26-Jul-2024**	**05-Aug-2024**	09-Aug-2024	✓	**08-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP080) QA14A	**26-Jul-2024**	**06-Aug-2024**	09-Aug-2024	✓	**06-Aug-2024**	09-Aug-2024	✓
Soil Glass Jar - Unpreserved (EP071) QA16A	**29-Jul-2024**	**05-Aug-2024**	12-Aug-2024	✓	**08-Aug-2024**	14-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP080) QA16A	**29-Jul-2024**	**06-Aug-2024**	12-Aug-2024	✓	**06-Aug-2024**	12-Aug-2024	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) QA14A	**26-Jul-2024**	**06-Aug-2024**	09-Aug-2024	✓	**06-Aug-2024**	09-Aug-2024	✓
Soil Glass Jar - Unpreserved (EP080) QA16A	**29-Jul-2024**	**06-Aug-2024**	12-Aug-2024	✓	**06-Aug-2024**	12-Aug-2024	✓
EP202A: Phenoxyacetic Acid Herbicides by LCMS							
Soil Glass Jar - Unpreserved (EP202) QA10A	**24-Jul-2024**	**08-Aug-2024**	07-Aug-2024	×	**09-Aug-2024**	17-Sep-2024	✓
Soil Glass Jar - Unpreserved (EP202) QA15A	**29-Jul-2024**	**08-Aug-2024**	12-Aug-2024	✓	**09-Aug-2024**	17-Sep-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	4	40	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	6	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	2	**50.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	14	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	10	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	3	**33.33**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
PAH/Phenols (SIM)	EP075(SIM)	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
PAH/Phenols (SIM)	EP075(SIM)	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
PAH/Phenols (SIM)	EP075(SIM)	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	4	**25.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	**50.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	20	**5.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matrix Spikes (MS) - Continued							
Total Metals by ICP-AES	EG005T	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	3	**33.33**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Total Metals by ICP-AES	EG005T	SOIL	In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl2) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3)
Polychlorinated Biphenyls (PCB)	EP066	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
Pesticides by GCMS	EP068	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3).
TRH - Semivolatile Fraction	EP071	SOIL	In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3).
Volatile Organic Compounds	EP074	SOIL	In house: Referenced to USEPA SW 846 - 8260 Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
PAH/Phenols (SIM)	EP075(SIM)	SOIL	In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended.
Phenoxyacetic Acid Herbicides (LCMS - Standard DL)	EP202	SOIL	In house: LCMS (Electrospray in negative mode). Residues of acid herbicides are extracted from soil samples under the alkaline condition. An aliquot of the alkaline aqueous phase is taken and acidified before a SPE cleanup. After eluting off from the SPE cartridge, residues of acid herbicides are dissolved in HPLC mobile phase prior to instrument analysis.

Preparation Methods	Method	Matrix	Method Descriptions

Preparation Methods	*Method*	*Matrix*	*Method Descriptions*
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3).
Extraction for Phenoxy Acid Herbicides in Soils.	EP202-PR	SOIL	In-House: Alkaline extract followed by SPE clean up of acidified portion of the sample extract.
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	ORG17	SOIL	In house: Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2425382**	Page	: 1 of 19
Client	: **SMEC AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: MR STEVEN SHAW	Contact	: Customer Services ES
Address	: Level 5, 20 Berry Street, North Sydney, NSW 2060 North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: +61 02 9925 5555	Telephone	: +61 2 8784 8555
Project	: 30018043 Leppington Delineation	Date Samples Received	: 02-Aug-2024 17:00
Order number	: 30018043	Date Analysis Commenced	: 05-Aug-2024
C-O-C number	: ----	Issue Date	: 09-Aug-2024 15:47
Sampler	: Amber Huang, Harrison Wood, Pauline Voukidis		
Site	: ----		
Quote number	: EN/111		
No. of samples received	: 7		
No. of samples analysed	: 6		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Franco Lentini	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP202: Particular samples required dilution due to matrix interferences. LOR values have been adjusted accordingly.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP074: Where reported, Total Trihalomethanes is the sum of the reported concentrations of all Trihalomethanes at or above the LOR.
- EP074: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP074: Where reported, Sum of chlorinated hydrocarbons includes carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichlorothene, trans-1,2-dichlorothene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, hexachlorobutadiene and methylene chloride.
- EP074: Where reported, Total Trimethylbenzenes is the sum of the reported concentrations of 1.2.3-Trimethylbenzene, 1.2.4-Trimethylbenzene and 1.3.5-Trimethylbenzene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EP068: Positive result has been confirmed by re-extraction and re-analysis.
- EP074: Samples not received in a suitable time frame to conduct the analysis within the recommended holding time.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		----	20.7	23.2	----	----
Moisture Content	----	1.0	%		28.5	----	----	15.0	20.2
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		----	----	----	6	8
Cadmium	7440-43-9	1	mg/kg		----	----	----	<1	<1
Chromium	7440-47-3	2	mg/kg		----	----	----	22	20
Copper	7440-50-8	5	mg/kg		----	----	----	50	31
Lead	7439-92-1	5	mg/kg		----	----	----	30	25
Nickel	7440-02-0	2	mg/kg		----	----	----	13	11
Zinc	7440-66-6	5	mg/kg		----	115	117	127	73
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		----	----	----	<0.1	<0.1
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		----	----	----	<0.1	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
^ Total Chlordane (sum)	----	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	----	----	<0.05	<0.05

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued									
Dieldrin	60-57-1	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg		<0.05	----	----	**0.08**	<0.05
Endrin	72-20-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	----	----	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	----	----	<0.2	<0.2
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	----	----	**0.08**	<0.05
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg		<0.2	----	----	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg		<0.2	----	----	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg		<0.2	----	----	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg		<0.05	----	----	<0.05	<0.05

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP068B: Organophosphorus Pesticides (OP) - Continued									
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	----	----	<0.05	<0.05
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	0.5	mg/kg		----	----	----	<0.5	----
Isopropylbenzene	98-82-8	0.5	mg/kg		----	----	----	<0.5	----
n-Propylbenzene	103-65-1	0.5	mg/kg		----	----	----	<0.5	----
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg		----	----	----	<0.5	----
sec-Butylbenzene	135-98-8	0.5	mg/kg		----	----	----	<0.5	----
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg		----	----	----	<0.5	----
tert-Butylbenzene	98-06-6	0.5	mg/kg		----	----	----	<0.5	----
p-Isopropyltoluene	99-87-6	0.5	mg/kg		----	----	----	<0.5	----
n-Butylbenzene	104-51-8	0.5	mg/kg		----	----	----	<0.5	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	5	mg/kg		----	----	----	<5	----
2-Butanone (MEK)	78-93-3	5	mg/kg		----	----	----	<5	----
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg		----	----	----	<5	----
2-Hexanone (MBK)	591-78-6	5	mg/kg		----	----	----	<5	----
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	0.5	mg/kg		----	----	----	<0.5	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	0.5	mg/kg		----	----	----	<0.5	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg		----	----	----	<0.5	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
			Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit	ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
				Result	Result	Result	Result	Result
EP074D: Fumigants - Continued								
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	----	----	----	<0.5	----
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	----	----	----	<0.5	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	----	----	----	<0.5	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	----	----	----	<5	----
Chloromethane	74-87-3	5	mg/kg	----	----	----	<5	----
Vinyl chloride	75-01-4	5	mg/kg	----	----	----	<5	----
Bromomethane	74-83-9	5	mg/kg	----	----	----	<5	----
Chloroethane	75-00-3	5	mg/kg	----	----	----	<5	----
Trichlorofluoromethane	75-69-4	5	mg/kg	----	----	----	<5	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg	----	----	----	<0.5	----
Iodomethane	74-88-4	0.5	mg/kg	----	----	----	<0.5	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	----	----	----	<0.5	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg	----	----	----	<0.5	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	----	----	----	<0.5	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	----	----	----	<0.5	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	----	----	----	<0.5	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg	----	----	----	<0.5	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg	----	----	----	<0.5	----
Trichloroethene	79-01-6	0.5	mg/kg	----	----	----	<0.5	----
Dibromomethane	74-95-3	0.5	mg/kg	----	----	----	<0.5	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	----	----	----	<0.5	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg	----	----	----	<0.5	----
Tetrachloroethene	127-18-4	0.5	mg/kg	----	----	----	<0.5	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	----	----	----	<0.5	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	----	----	----	<0.5	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	----	----	----	<0.5	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP074E: Halogenated Aliphatic Compounds - Continued									
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg		----	----	----	<0.5	----
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg		----	----	----	<0.5	----
Pentachloroethane	76-01-7	0.5	mg/kg		----	----	----	<0.5	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg		----	----	----	<0.5	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg		----	----	----	<0.5	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	0.5	mg/kg		----	----	----	<0.5	----
Bromobenzene	108-86-1	0.5	mg/kg		----	----	----	<0.5	----
2-Chlorotoluene	95-49-8	0.5	mg/kg		----	----	----	<0.5	----
4-Chlorotoluene	106-43-4	0.5	mg/kg		----	----	----	<0.5	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg		----	----	----	<0.5	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg		----	----	----	<0.5	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg		----	----	----	<0.5	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg		----	----	----	<0.5	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg		----	----	----	<0.5	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	0.5	mg/kg		----	----	----	<0.5	----
Bromodichloromethane	75-27-4	0.5	mg/kg		----	----	----	<0.5	----
Dibromochloromethane	124-48-1	0.5	mg/kg		----	----	----	<0.5	----
Bromoform	75-25-2	0.5	mg/kg		----	----	----	<0.5	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		----	----	----	<0.5	----
Acenaphthylene	208-96-8	0.5	mg/kg		----	----	----	<0.5	----
Acenaphthene	83-32-9	0.5	mg/kg		----	----	----	<0.5	----
Fluorene	86-73-7	0.5	mg/kg		----	----	----	<0.5	----
Phenanthrene	85-01-8	0.5	mg/kg		----	----	----	<0.5	----
Anthracene	120-12-7	0.5	mg/kg		----	----	----	<0.5	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Fluoranthene	206-44-0	0.5	mg/kg		----	----	----	<0.5	----
Pyrene	129-00-0	0.5	mg/kg		----	----	----	<0.5	----
Benz(a)anthracene	56-55-3	0.5	mg/kg		----	----	----	<0.5	----
Chrysene	218-01-9	0.5	mg/kg		----	----	----	<0.5	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg		----	----	----	<0.5	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		----	----	----	<0.5	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg		----	----	----	<0.5	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		----	----	----	<0.5	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		----	----	----	<0.5	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		----	----	----	<0.5	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg		----	----	----	<0.5	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg		----	----	----	<0.5	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg		----	----	----	**0.6**	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg		----	----	----	**1.2**	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		----	----	----	<10	----
C10 - C14 Fraction	----	50	mg/kg		----	----	----	<50	----
C15 - C28 Fraction	----	100	mg/kg		----	----	----	<100	----
C29 - C36 Fraction	----	100	mg/kg		----	----	----	<100	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg		----	----	----	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		----	----	----	<10	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg		----	----	----	<10	----
>C10 - C16 Fraction	----	50	mg/kg		----	----	----	<50	----
>C16 - C34 Fraction	----	100	mg/kg		----	----	----	<100	----
>C34 - C40 Fraction	----	100	mg/kg		----	----	----	<100	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued									
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		----	----	----	<50	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		----	----	----	<50	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		----	----	----	<0.2	----
Toluene	108-88-3	0.5	mg/kg		----	----	----	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg		----	----	----	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		----	----	----	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg		----	----	----	<0.5	----
^ Sum of BTEX	----	0.2	mg/kg		----	----	----	<0.2	----
^ Total Xylenes	----	0.5	mg/kg		----	----	----	<0.5	----
Naphthalene	91-20-3	1	mg/kg		----	----	----	<1	----
EP202A: Phenoxyacetic Acid Herbicides by LCMS									
4-Chlorophenoxy acetic acid	122-88-3	0.02	mg/kg		<0.04	----	----	----	<0.02
2.4-DB	94-82-6	0.02	mg/kg		<0.04	----	----	----	<0.02
Dicamba	1918-00-9	0.02	mg/kg		<0.04	----	----	----	<0.02
Mecoprop	93-65-2	0.02	mg/kg		<0.04	----	----	----	<0.02
MCPA	94-74-6	0.02	mg/kg		<0.04	----	----	----	<0.02
2.4-DP	120-36-5	0.02	mg/kg		<0.04	----	----	----	<0.02
2.4-D	94-75-7	0.02	mg/kg		<0.04	----	----	----	<0.02
Triclopyr	55335-06-3	0.02	mg/kg		<0.04	----	----	----	<0.02
2.4.5-TP (Silvex)	93-72-1	0.02	mg/kg		<0.04	----	----	----	<0.02
2.4.5-T	93-76-5	0.02	mg/kg		<0.04	----	----	----	<0.02
MCPB	94-81-5	0.02	mg/kg		<0.04	----	----	----	<0.02
Picloram	1918-02-1	0.02	mg/kg		<0.04	----	----	----	<0.02
Clopyralid	1702-17-6	0.02	mg/kg		<0.04	----	----	----	<0.02
Fluroxypyr	69377-81-7	0.02	mg/kg		<0.04	----	----	----	<0.02

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA10A	QA12A	QA13A	QA14A	QA15A
				Sampling date / time	24-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	26-Jul-2024 00:00	29-Jul-2024 00:00
Compound	CAS Number	LOR	Unit		ES2425382-001	ES2425382-003	ES2425382-004	ES2425382-005	ES2425382-006
					Result	Result	Result	Result	Result
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		----	----	----	109	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		77.4	----	----	141	94.8
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		86.6	----	----	140	76.4
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.5	%		----	----	----	79.1	----
Toluene-D8	2037-26-5	0.5	%		----	----	----	89.8	----
4-Bromofluorobenzene	460-00-4	0.5	%		----	----	----	87.7	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		----	----	----	78.9	----
2-Chlorophenol-D4	93951-73-6	0.5	%		----	----	----	80.4	----
2.4.6-Tribromophenol	118-79-6	0.5	%		----	----	----	49.9	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		----	----	----	88.4	----
Anthracene-d10	1719-06-8	0.5	%		----	----	----	81.2	----
4-Terphenyl-d14	1718-51-0	0.5	%		----	----	----	96.7	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		----	----	----	83.7	----
Toluene-D8	2037-26-5	0.2	%		----	----	----	90.7	----
4-Bromofluorobenzene	460-00-4	0.2	%		----	----	----	100	----
EP202S: Phenoxyacetic Acid Herbicide Surrogate									
2.4-Dichlorophenyl Acetic Acid	19719-28-9	0.02	%		64.5	----	----	----	59.4

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		**23.4**	----	----	----	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		**6**	----	----	----	----
Cadmium	7440-43-9	1	mg/kg		<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg		**18**	----	----	----	----
Copper	7440-50-8	5	mg/kg		**32**	----	----	----	----
Lead	7439-92-1	5	mg/kg		**19**	----	----	----	----
Nickel	7440-02-0	2	mg/kg		**12**	----	----	----	----
Zinc	7440-66-6	5	mg/kg		**64**	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg		<0.05	----	----	----	----
gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg		<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg		<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg		<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg		<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	----	----	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg		<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
4.4`-DDE	72-55-9	0.05	mg/kg		<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg		<0.05	----	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	----	----	----	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg		<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg		<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	----	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg		<0.05	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.05	mg/kg		<0.05	----	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg		<0.05	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg		<0.2	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg		<0.05	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg		<0.05	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg		<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg		<0.2	----	----	----	----
Malathion	121-75-5	0.05	mg/kg		<0.05	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg		<0.05	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg		<0.05	----	----	----	----
Parathion	56-38-2	0.2	mg/kg		<0.2	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg		<0.05	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP068B: Organophosphorus Pesticides (OP) - Continued									
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	----	----	----	----
Ethion	563-12-2	0.05	mg/kg		<0.05	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	----	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Styrene	100-42-5	0.5	mg/kg		<0.5	----	----	----	----
Isopropylbenzene	98-82-8	0.5	mg/kg		<0.5	----	----	----	----
n-Propylbenzene	103-65-1	0.5	mg/kg		<0.5	----	----	----	----
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg		<0.5	----	----	----	----
sec-Butylbenzene	135-98-8	0.5	mg/kg		<0.5	----	----	----	----
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg		<0.5	----	----	----	----
tert-Butylbenzene	98-06-6	0.5	mg/kg		<0.5	----	----	----	----
p-Isopropyltoluene	99-87-6	0.5	mg/kg		<0.5	----	----	----	----
n-Butylbenzene	104-51-8	0.5	mg/kg		<0.5	----	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	5	mg/kg		<5	----	----	----	----
2-Butanone (MEK)	78-93-3	5	mg/kg		<5	----	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg		<5	----	----	----	----
2-Hexanone (MBK)	591-78-6	5	mg/kg		<5	----	----	----	----
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	0.5	mg/kg		<0.5	----	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichloropropane	78-87-5	0.5	mg/kg		<0.5	----	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP074D: Fumigants - Continued									
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg		<0.5	----	----	----	----
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	5	mg/kg		<5	----	----	----	----
Chloromethane	74-87-3	5	mg/kg		<5	----	----	----	----
Vinyl chloride	75-01-4	5	mg/kg		<5	----	----	----	----
Bromomethane	74-83-9	5	mg/kg		<5	----	----	----	----
Chloroethane	75-00-3	5	mg/kg		<5	----	----	----	----
Trichlorofluoromethane	75-69-4	5	mg/kg		<5	----	----	----	----
1.1-Dichloroethene	75-35-4	0.5	mg/kg		<0.5	----	----	----	----
Iodomethane	74-88-4	0.5	mg/kg		<0.5	----	----	----	----
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg		<0.5	----	----	----	----
1.1-Dichloroethane	75-34-3	0.5	mg/kg		<0.5	----	----	----	----
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg		<0.5	----	----	----	----
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg		<0.5	----	----	----	----
1.1-Dichloropropylene	563-58-6	0.5	mg/kg		<0.5	----	----	----	----
Carbon Tetrachloride	56-23-5	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichloroethane	107-06-2	0.5	mg/kg		<0.5	----	----	----	----
Trichloroethene	79-01-6	0.5	mg/kg		<0.5	----	----	----	----
Dibromomethane	74-95-3	0.5	mg/kg		<0.5	----	----	----	----
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg		<0.5	----	----	----	----
1.3-Dichloropropane	142-28-9	0.5	mg/kg		<0.5	----	----	----	----
Tetrachloroethene	127-18-4	0.5	mg/kg		<0.5	----	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg		<0.5	----	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg		<0.5	----	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg		<0.5	----	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg		<0.5	----	----	----	----
Pentachloroethane	76-01-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg		<0.5	----	----	----	----
Hexachlorobutadiene	87-68-3	0.5	mg/kg		<0.5	----	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	0.5	mg/kg		<0.5	----	----	----	----
Bromobenzene	108-86-1	0.5	mg/kg		<0.5	----	----	----	----
2-Chlorotoluene	95-49-8	0.5	mg/kg		<0.5	----	----	----	----
4-Chlorotoluene	106-43-4	0.5	mg/kg		<0.5	----	----	----	----
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg		<0.5	----	----	----	----
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg		<0.5	----	----	----	----
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg		<0.5	----	----	----	----
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg		<0.5	----	----	----	----
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg		<0.5	----	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	0.5	mg/kg		<0.5	----	----	----	----
Bromodichloromethane	75-27-4	0.5	mg/kg		<0.5	----	----	----	----
Dibromochloromethane	124-48-1	0.5	mg/kg		<0.5	----	----	----	----
Bromoform	75-25-2	0.5	mg/kg		<0.5	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg		<0.5	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Pyrene	129-00-0	0.5	mg/kg		<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg		<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg		<0.5	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg		<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg		<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg		<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg		**0.6**	----	----	----	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg		**1.2**	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	----	----	----	----
C10 - C14 Fraction	----	50	mg/kg		<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg		<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	----	----	----	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg		<10	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	50	mg/kg		<50	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued									
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	50	mg/kg		<50	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	----	----	----	----
^ **Sum of BTEX**	----	0.2	mg/kg		<0.2	----	----	----	----
^ **Total Xylenes**	----	0.5	mg/kg		<0.5	----	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	----	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		**83.3**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		**91.3**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		**77.0**	----	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.5	%		**77.6**	----	----	----	----
Toluene-D8	2037-26-5	0.5	%		**83.6**	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%		**85.9**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		**77.6**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**75.4**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**52.2**	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		**88.1**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**83.9**	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QA16A	----	----	----	----
				Sampling date / time	29-Jul-2024 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425382-007	--------	--------	--------	--------
					Result	----	----	----	----
EP075(SIM)T: PAH Surrogates - Continued									
4-Terphenyl-d14	1718-51-0	0.5	%		**96.5**	**----**	**----**	**----**	**----**
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		**81.9**	**----**	**----**	**----**	**----**
Toluene-D8	2037-26-5	0.2	%		**84.3**	**----**	**----**	**----**	**----**
4-Bromofluorobenzene	460-00-4	0.2	%		**98.3**	**----**	**----**	**----**	**----**

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	64	130
Toluene-D8	2037-26-5	66	136
4-Bromofluorobenzene	460-00-4	60	122
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	63	125
Toluene-D8	2037-26-5	67	124
4-Bromofluorobenzene	460-00-4	66	131
EP202S: Phenoxyacetic Acid Herbicide Surrogate			
2.4-Dichlorophenyl Acetic Acid	19719-28-9	45	139

Re: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

Amber HUANG <Amber.Huang@smec.com>
Thu 2024-08-15 6:56 PM

To:#AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Cc:Adam Bateup <Adam.Bateup@eurofinsanz.com>

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Hi Sharlene,

Please run silica gel clean up on HA-C/0.2.

Thanks,
Amber

From: #AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Sent: Thursday, August 15, 2024 18:39
To: Amber HUANG <Amber.Huang@smec.com>
Cc: Adam Bateup <Adam.Bateup@eurofinsanz.com>
Subject: Re: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

Hi Amber,

There is no sample ID for "HA-C". Please confirm which sample you want to analyse TRH silica gel cleanup for, "HA-C/0.2" or "HA-C/0.5" ?

Kind regards,

Sharlene Santos
Sydney Sample Receipt

Eurofins Environment Testing Australia Pty Ltd

179 Magowar Rd
Girraween, NSW 2145
Phone: +61 2 9900 8421

E-mail: EnviroSampleNSW@eurofins.com
Website: www.eurofins.com.au/environmental-testing

From: Adam Bateup <Adam.Bateup@eurofinsanz.com>
Sent: Thursday, August 15, 2024 2:12 PM
To: #AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofins.com>
Subject: RE: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

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

Update to this: no need for the Zinc analysis please

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adam.bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com.au/environmental-testing

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From: Adam Bateup
Sent: Thursday, 15 August 2024 11:05 AM
To: EnviroSampleNSW@eurofins.com
Subject: FW: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)
Importance: High

1-day TAT additional please team!

Kind Regards,

Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: adam.bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com.au/environmental-testing

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From: Amber HUANG <Amber.Huang@smec.com>
Sent: Thursday, 15 August 2024 10:54 AM
To: Adam Bateup <Adam.Bateup@eurofinsanz.com>
Cc: Pauline VOUKIDIS <Pauline.Voukidis@smec.com>; Steven SHAW <Steven.Shaw@smec.com>
Subject: RE: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

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

Hi Adam,

As discussed, could you organise the below additional analysis for batch 1123575 with 1day turnaround time please:

Analyte	Sample
TCLP - Nickel	HA-U/0.0
Zinc	STP07-H, STP08-G, STP08-H
TRH silica gel cleanup	STP1-B, HA-C

Can I also follow up on the invoice for the first run?

Thank you

Amber Huang
Graduate Environmental Engineer - Contamination
E Amber.Huang@smec.com
Cammeraygal Country, Level 7, 40 Mount Street, North Sydney, NSW, 2060, Australia

---

From: AdamBateup@eurofins.com <AdamBateup@eurofins.com>
Sent: Tuesday, August 13, 2024 6:11 PM
To: Steven SHAW <Steven.Shaw@smec.com>
Cc: Amber HUANG <Amber.Huang@smec.com>; Harrison WOOD <Harrison.Wood@smec.com>; Pauline VOUKIDIS <Pauline.Voukidis@smec.com>
Subject: Eurofins Test Results - Report 1123575 : Site 30018043 LEPPINGTON DELINEATION (30018043)

Please find the attached reports

Kind regards,
Adam Bateup
Analytical Services Manager
My hours are 9 am - 5 pm

Eurofins Environment Testing Australia Pty Ltd
179 Magowar Road
Girraween, NSW, 2145

Email: Adam.Bateup@eurofinsanz.com
I've updated my phone number, please contact me via 0447 584 487
Website: www.eurofins.com/environmental-testing
View our latest EnviroNotes

eurofins | Environment Testing

www.eurofins.com.au EnviroSales@eurofins.com

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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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370

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NATA# 2561
Site# 2554

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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

Sample Receipt Advice

Company name: SMEC Australia Pty Ltd (SYD)
Contact name: Steven Shaw
Project name: ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043
Turnaround time: 1 Day
Date/Time received Aug 15, 2024 10:54 AM
Eurofins reference 1128943

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 1.1 degrees Celsius.
✗	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✗	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

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

Adam Bateup on phone : or by email: AdamBateup@eurofins.com

Results will be delivered electronically via email to Steven Shaw - steven.shaw@smec.com.

Note: A copy of these results will also be delivered to the general SMEC Australia Pty Ltd (SYD) email address.

eurofins

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

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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35 O'Rorke Road	Unit C1/4 Pacific Rise,	43 Detroit Drive	1277 Cameron Road,
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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1128943
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Aug 15, 2024 10:54 AM
Due: Aug 16, 2024
Priority: 1 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Nickel	USA Leaching Procedure	TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	HA-U/0.0	Jul 24, 2024		US Leachate	S24-Au0041573	X	X		
2	SP1-B	Jul 24, 2024		Soil	S24-Au0041574			X	X
3	HA-C/0.2	Jul 24, 2024		Soil	S24-Au0041575			X	X
Test Counts						1	1	2	2

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Certificate of Analysis

SMEC Australia Pty Ltd
Level 6, 76 Berry Street
North Sydney
NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1128943-L**
Project name ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID 30018043
Received Date Aug 15, 2024

Client Sample ID			**HA-U/0.0**
Sample Matrix			**US Leachate**
Eurofins Sample No.			**S24-Au0041573**
Date Sampled			**Jul 24, 2024**
Test/Reference	LOR	Unit	
Heavy Metals			
Nickel	0.01	mg/L	0.02
USA Leaching Procedure			
Leachate Fluid*[C01]		comment	1.0
pH (initial)	0.1	pH Units	8.8
pH (off)*	0.1	pH Units	5.3
pH (USA HCl addition)*	0.1	pH Units	1.3

Sample History

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

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

Description	Testing Site	Extracted	Holding Time
Heavy Metals	Sydney	Aug 15, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
USA Leaching Procedure	Sydney	Aug 15, 2024	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			

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

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370

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NZBN: 9429046024954

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Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: SMEC Australia Pty Ltd (SYD)
Address: Level 6, 76 Berry Street
North Sydney
NSW 2060

Project Name: ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1128943
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Aug 15, 2024 10:54 AM
Due: Aug 16, 2024
Priority: 1 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Nickel	Zinc	USA Leaching Procedure	TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	HA-U/0.0	Jul 24, 2024		US Leachate	S24-Au0041573	X		X		
2	SP1-B	Jul 24, 2024		Soil	S24-Au0041574				X	X
3	HA-C/0.2	Jul 24, 2024		Soil	S24-Au0041575				X	X
4	STP07-H	Jul 24, 2024		Soil	S24-Au0043863		X			X
Test Counts						1	1	1	2	3

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*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 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Nickel			mg/L	< 0.01			0.01	Pass	
LCS - % Recovery									
Heavy Metals									
Nickel			%	95			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Nickel	S24-Au0037668	NCP	%	93			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Nickel	S24-Au0039113	NCP	mg/L	0.05	0.05	4.0	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	1.1°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other

Authorised by:

Adam Bateup	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

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SMEC Australia Pty Ltd
Level 6, 76 Berry Street
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NSW 2060

NATA Accredited
Accreditation Number 1261
Site Number 18217

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

Attention: **Steven Shaw**

Report **1128943-S**
Project name ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID 30018043
Received Date Aug 15, 2024

Client Sample ID			**SP1-B**	**HA-C/0.2**	**STP07-H**
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S24-Au0041574**	**S24-Au0041575**	**S24-Au0043863**
Date Sampled			**Jul 24, 2024**	**Jul 24, 2024**	**Jul 24, 2024**
Test/Reference	LOR	Unit			
TRH - 2013 NEPM Fractions (after silica gel clean-up)					
TRH >C10-C16 (after silica gel clean-up)	50	mg/kg	< 50	< 50	-
TRH >C16-C34 (after silica gel clean-up)	100	mg/kg	970	< 100	-
TRH >C34-C40 (after silica gel clean-up)	100	mg/kg	580	< 100	-
TRH >C10-C40 (total) (after silica-gel clean up)*	100	mg/kg	1600	< 100	-
TRH - 1999 NEPM Fractions (after silica gel clean-up)					
TRH C10-C14 (after silica gel clean-up)	50	mg/kg	< 50	< 50	-
TRH C15-C28 (after silica gel clean-up)	100	mg/kg	480	< 100	-
TRH C29-C36 (after silica gel clean-up)	100	mg/kg	690	< 100	-
TRH C10-C36 (Total) (after silica gel clean-up)	100	mg/kg	1170	< 100	-
Sample Properties					
% Moisture	1	%	1.2	25	22
Heavy Metals					
Zinc	5	mg/kg	-	-	390

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
TRH - 2013 NEPM Fractions (after silica gel clean-up)	Sydney	Aug 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
TRH - 1999 NEPM Fractions (after silica gel clean-up)	Sydney	Aug 16, 2024	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Aug 16, 2024	14 Days
- Method: LTM-GEN-7080 Moisture			
Heavy Metals	Sydney	Aug 16, 2024	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project Name: ADDITIONAL: 30018043 LEPPINGTON DELINEATION
Project ID: 30018043

Order No.:
Report #: 1128943
Phone: 02 9925 5555
Fax: 02 9925 5566

Received: Aug 15, 2024 10:54 AM
Due: Aug 16, 2024
Priority: 1 Day
Contact Name: Steven Shaw

Eurofins Analytical Services Manager : Adam Bateup

Sample Detail						Nickel	Zinc	USA Leaching Procedure	TRH (after Silica Gel cleanup)	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X
External Laboratory										
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**					
1	HA-U/0.0	Jul 24, 2024		US Leachate	S24-Au0041573	X		X		
2	SP1-B	Jul 24, 2024		Soil	S24-Au0041574				X	X
3	HA-C/0.2	Jul 24, 2024		Soil	S24-Au0041575				X	X
4	STP07-H	Jul 24, 2024		Soil	S24-Au0043863		X			X
Test Counts						1	1	1	2	3

Internal Quality Control Review and Glossary

General

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

Holding Times

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

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

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

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

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

Units

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

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*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 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

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

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

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

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

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

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

QC Data General Comments

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

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH >C16-C34 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH >C34-C40 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	mg/kg	< 50			50	Pass	
TRH C15-C28 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
TRH C29-C36 (after silica gel clean-up)	mg/kg	< 100			100	Pass	
Method Blank							
Heavy Metals							
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
TRH - 2013 NEPM Fractions (after silica gel clean-up)							
TRH >C10-C16 (after silica gel clean-up)	%	77			70-130	Pass	
LCS - % Recovery							
TRH - 1999 NEPM Fractions (after silica gel clean-up)							
TRH C10-C14 (after silica gel clean-up)	%	77			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Zinc	%	100			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH >C10-C16 (after silica gel clean-up)	S24-Au0041575	CP	%	110			70-130	Pass	
Spike - % Recovery									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1					
TRH C10-C14 (after silica gel clean-up)	S24-Au0041575	CP	%	92			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Zinc	W24-Au0035506	NCP	%	110			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
TRH - 2013 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	970	870	12	30%	Pass	
TRH >C34-C40 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	580	760	27	30%	Pass	
Duplicate									
TRH - 1999 NEPM Fractions (after silica gel clean-up)				Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	480	380	24	30%	Pass	
TRH C29-C36 (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	690	730	6.0	30%	Pass	
TRH C10-C36 (Total) (after silica gel clean-up)	S24-Au0041574	CP	mg/kg	1170	1100	5	30%	Pass	

Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S24-Au0041617	NCP	%	11	12	13	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Zinc	S24-Au0038363	NCP	mg/kg	23	27	19	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Temperature of Chilled samples on receipt	1.1°C
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Adam Bateup	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Sample Properties

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

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