Detailed Site Investigation

200 Aldington Road, Kemps Creek NSW

Prepared for: Fife Capital Pty Ltd

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Contents

1 Introduction 9

1.1 Background and General Information 9

1.2 Proposed Development 9

1.3 Objectives 10

1.4 Scope of Work 10

1.4.1 Phase One – Desktop Review 10

1.4.2 Phase Two – Field Investigation 10

1.4.3 Phase Three – Analytical Test Work 11

1.4.4 Phase Four – Data Assessment and Conclusions 11

1.5 Guidelines and Codes of Practice 11

2 Site Identification and Details 12

2.1 Site Location 12

2.2 Summary of Site Details 12

3 Previous Environmental Investigations 13

3.1 KPMG SGA Property Consultancy Pty Ltd (KPMG) Site Review of Contamination and Assessment (KPMG 2019) 13

3.2 Douglas Partners (DP) Preliminary Site Investigation (PSI) - Proposed Commercial/Industrial Subdivision 144-228 Aldington Rd, Kemps Creek NSW Project: 92364, October 2019 (DP, 2019) 13

3.3 Douglas Partners (DP) Report on Preliminary Geotechnical Investigation and Preliminary Salinity Assessment - Proposed Commercial/Industrial Subdivision 144-228 Aldington Rd, Kemps Creek NSW Project: 92364, October 2019 (DP, 2019) 14

3.4 Douglas Partners (DP) Contamination Status Summary Report- Proposed Industrial Development 200 Aldington Road Kemps Creek NSW Project: 92421, September 2021 (DP, 2021) 15

3.5 Summary of previous reports 16

4 Site Condition and Surrounding Environment 17

5 Data Quality Objectives 18

5.1 Step 1 – State the Problem 18

5.2 Step 2 – Identify the Decision 18

5.3 Step 3 – Identify Inputs to the Decision 18

5.4 Step 4 – Definite Boundaries of the Study 18

5.5 Step 5 – Develop a Decision Rule 19

5.6 Step 6 – Specify Acceptable Limits on Decision Errors 19

5.7 Step 7 – Optimise the Design for Obtaining Data 20

6 Sampling Plan, Methodology, Field Investigations and Investigation Pattern 21

6.1 Pre-work Procedure 21

6.2 Sampling Design Plan Rationale 21

6.3 Soil Sampling Methodology 21

6.4 Surface Water Sampling 21

6.5 Equipment Decontamination 22

6.6 Laboratory Submission 22
7 Assessment Criteria 36
7.1 Soil Assessment Criteria 36
7.1.1 Health Investigation Level (HILs) 36
7.1.2 Health Screening Level (HSLs) 37
7.1.3 Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs) 37
7.1.4 Asbestos 38
7.1.5 Management Limits 39
7.1.6 PFAS Assessment Criteria 39
7.1.7 Surface water Assessment Criteria 39
7.2 Aesthetics 40
7.3 Statistical Treatment 41
8 Data Quality Assessment 42
8.1 Data Review 42
8.1.1 COC 42
8.1.2 Record of Holding Times 42
8.1.3 Field Equipment Calibration 43
8.1.4 Analytical Methods Used 43
8.1.5 Laboratory Accreditation for Analytical Methods Used 43
8.1.6 Detection Limits / Practical Quantification Limits 43
8.2 Field QA/QC 43
8.2.1 Blind and Split Replicate Samples 44
8.3 Soil 44
8.4 Laboratory QA/QC 45
8.4.1 Laboratory Duplicates 45
8.5 QA / QC Data Evaluation 45
9 Summary of Investigation Results 46
9.1 Field Observations 46
9.1.1 Site Soil and Sub Soil Geology 46
9.1.2 PID Field Screening 46
9.2 Soil and Surface Water Results 46
9.2.1 Soil Suitability Assessment – Human Health 46
9.2.2 Surface Water Assessment 46
9.2.3 Asbestos Assessment 46
10 Conceptual Site Model 47
10.1 Potential Contamination Types 47
10.2 Sources of Contamination and Contaminants of Potential Concern 47
10.3 Model 47
11 Discussion 48
11.1 Soil Contamination 48
11.2 Surface water 49

11.3 Duty to Report Contamination 49
12 Conclusions and Recommendations 50
12.1 Soil and Surface Water Assessment 50
12.2 Recommendations 51
13 Limitations and Disclaimer 52
14 References 53

Abbreviations

ADE	ADE Consulting Group Pty Ltd
ACM	Asbestos Containing Material
ASS	Acid Sulfate Soil
AST	Aboveground Storage Tank
BGL	Below Ground Level
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CoC	Chain of custody
CoPC	Contaminants of Potential Concern
CSM	Conceptual Site Model
DBYD	Dial Before You Dig
DEC	Department of Environment & Conservation
DP	Deposited Plan
DNAPL	Dense Non-Aqueous Phase Liquid
DLWC	Department of Land and Water Conservation
DSI	Detailed Site Investigation
EPA	Environment Protection Agency
HEPA	Heads of EPAs Australia and New Zealand
HILs	Health Investigation Levels
HMS	Hazardous Materials Survey
HSLs	Health Screening Levels
LAA	Licensed Asbestos Assessor
LEP	Local Environment Plan
LIR	Land Insight Resources
LNAPL	Light Non-Aqueous Phase Liquid
LTO	Land Titles Office
LEP	Local Environmental Plan
LGA	Local Government Area
NATA	National Association of Testing Authorities
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
NSW	New South Wales
OCPs	Organochlorine Pesticides
OEH	Office of Environment & Heritage
OPPs	Organophosphorus Pesticides
PAHs	Polycyclic aromatic Hydrocarbons
PASS	Potential Acid Sulfate Soil
PFAS	Per- and Poly-fluoroalkyl substances
PSI	Preliminary Site Investigation
PCBs	Polychlorinated Biphenyls
RAP	Remedial Action Plan
SAC	Site Assessment Criteria
SCC	Specific Contaminant Concentration
SMF	Synthetic Mineral Fibre
SH&EWMS	Safety, Health & Environmental Work Method Statement
TCLP	Toxicity Leaching Procedure
TRHs	Total Recoverable Hydrocarbons
UCL	Upper Confidence Level
UFP	Unexpected Finds Protocol
UST	Underground Storage Tank
WQM	Water Quality Meter

Executive Summary

Fife Capital intends to redevelop the area subject to this investigation at the site located at 200 Aldington Road, Kemps Creek New South Wales (NSW) (the site), within Lots 20-23 in DP 255560 and Lots 30-32 in DP258949 for a proposed industrial estate for commercial/industrial use with access to soil proposed within Lots A, D & L. ADE Consulting Group Pty Ltd (ADE) was engaged by Fife Capital to undertake a Detailed Site Investigation (DSI) which is required as part of the Development Consent.

To meet the purpose of the investigation, the following objectives were adopted:

- Complete a review of historical and current sources of potential contamination at the site resulting from historical and current land uses
- Undertake an intrusive investigation to identify surface and sub-surface contamination within the site in the context of assessing its suitability under the current and/or proposed land use; and
- Assess whether further management or remediation works are required to make the site suitable for the current/proposed land use.

As part of this DSI, ADE collected 162 primary soil samples. The soil sampling was conducted with the use of a 5-tonne excavator provided by the client or via hand auger. Following a review of previous studies and soil analytical data collected during the investigation, ADE found that:

- Soil materials primarily consist of natural topsoil and medium clays. Some organic material and fine gravels were observed throughout the soil matrix.
- All field PID readings returned negligible concentrations in between 0.0 - 0.2 parts per million (ppm).
- Of the 162 primary soil samples analysed, no exceedances were recorded against any of the adopted human or ecological health site assessment criteria (SAC).
- No asbestos was observed within any of the 10 Litre (L) samples screened on site, or detected within any of the 34 500 mL soil samples analysed
- Sample TP27-fill-0.1 returned an exceedance of 4.68 mg/kg in relation to Benzene, therefore a UCL95 was conducted using samples collected within the immediate surroundings of TP27 in the same strata and returned an acceptable reading of 2.6 mg/kg, which is below the 3 mg/kg health screening level (HSL) HSL-D criteria.
- According to Douglas Partners (DP) report in 2019, sample SS14 fill (0-0.1m) showed an exceedance of Arsenic compared to ecological investigation level (EIL) EILs D criteria, a UCL95 was conducted using samples collected within the immediate surroundings of SS14 in the same soil horizon and returned an acceptable reading of 130 mg/kg, which is below the 160 mg/kg EIL-D criteria.
- Asbestos containing material (ACM) was reported by DP and collected as isolated fragments in a few locations across the site (Douglas Partners, 2019).
- Based on the results of the soil assessment, and proposed development comprising of hardstand over the majority of the site, ADE considers that groundwater is not likely to be affected by on-site soils and the proposed development. Should development plans change, or should groundwater be encountered during the construction works, further assessment may be required.
- ADE noted that certain areas were inaccessible due to market gardens and small-large greenhouses within lots 20, 22, 30 and 32, tall grass and dense vegetation throughout. As such, an adaptive sampling strategy was implemented by the by the on-site consultant which involved targeted sampling in safe and accessible areas. ADE revisited the site and collected additional samples from inaccessible sampling points using hand augers and after grass slashing on November 2022. Based on

the analytical results of the additional samples collected, no exceedances were found comparing to HIL D and HSLD site criteria, no ACM fragment was found during this investigation.

- Surface water samples were collected from the existing dams in November 2022. Based on the laboratory analytical results, samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW6, DSI3.SW7, DSI3.SW8) showed exceedance of copper concentration compared to the NEPM 2013 GILs Criteria for fresh water. Samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW6, DSI3.SW6, DSI3.SW7, DSI.SW8, DSI3.SW9) showed exceedance of Mercury concentration compared to the NEPM 2013 GILs Criteria for fresh water. ADE was informed by the client that the existing dam water will be managed through the dam dewatering strategy, within the Biodiversity management plan of the CEMP. This will ensure aquatic species are protected, the water is removed safely and also not discharged to surrounding freshwater watercourses.

ADE considers that the site is suitable for the proposed use, subject to the following:

- Any asbestos finds within the site should be managed under an unexpected finds protocol.
- Any soils and other waste noted on site requiring removal from the site, as part of future site works, should be classified in accordance with the "Waste Classification Guidelines, Part 1: Classifying Waste" NSW EPA (2014).

1 Introduction

1.1 Background and General Information

ADE Consulting Group Pty Ltd (ADE) was engaged by Fife Capital Pty Ltd (the client) to undertake a detailed site investigation (DSI) within the proposed development area within the property at 200 Aldington Road, Kemps Creek, Lots 20-23 in DP 255560 and Lots 30-32 in DP258949. The area subject to the proposed development (hereafter referred to as 'the site'), is shown in *Appendix A–Figures*.

This report was designed to assess the site regarding areas of concern and contaminants of potential concern (CoPC) identified during the Phase I Preliminary Site Investigation (PSI), completed by Douglas Partners PSI (2019) (refer to Section 3).

The purpose of this DSI is to assess the nature and extent of potential contamination within soil at the site. This was undertaken through:

- Completion of a desktop review of previous investigations and known information sources;
- Conduct a detailed soil investigation for the identified CoPCs outlined within the Stage I PSI and subsequent site inspection (refer to Section 3);
- Submission of all samples to National Association of Testing Authorities (NATA) accredited laboratories; and
- Preparation of a Stage I DSI report outlining the investigations methodology, interpretation of the results, to make conclusions and recommendations concerning contamination impacting both environmental and human health within the site.

The site investigation and corresponding sampling regime were undertaken throughout the period of 15 December 2021 to 14 January 2022 and 8 and 28 of November 2022 which involved the collection and subsequent analysis of soil and surface water. The selected samples were compared against the adopted Site Assessment Criteria (SAC) outlined within Section 7, to determine if the site is suitable for the proposed land use.

1.2 Proposed Development

ADE understands that the site is to be upgraded for the full property frontage and will include kerb & gutter, street drainage, path paving, landscaping, and undergrounding of all utility assets. An overview of proposed Stage 1 works include:

- Demolition and clearing of all existing built form structures.
- Drainage and infill of existing farm dams and any ground dewatering.
- Clearing of all existing vegetation.
- Bulk earthworks including 'cut and fill' to create flat development platforms for the warehouse buildings, and site stabilization works (if required).
- Roadworks and access infrastructure.
- Stormwater and drainage work including stormwater basins, diversion of stormwater lines, gross pollutant traps and associated swale works.
- Sewer and potable water reticulation.
- Inter-allotment, road and boundary retaining walls.
- Subdivision of the site into 15 individual lots.
- Construction of a warehouse building with a total of 50,930 sqm of GFA, including: 48,430 sqm of warehouse GFA, 2,500 sqm of ancillary office GFA, 231 car parking spaces.

1.3 Objectives

The primary objective of this investigation is to characterise fill material that may be subject to excavation as part of the proposed development. The objectives of the investigation will be achieved by:

- Summarising past and present potentially contaminating activities through a desktop study supported by information obtained from the Phase I PSI (DP 2019);
- Assessing the contamination status of the site, which may have been impacted by past / present land use and/or off-site contamination from the surrounding area;
- Completing an intrusive investigation program developed in accordance with the NSW Environment Protection Authority (EPA) 1995 *Sampling Design Guidelines* (NSW EPA, 1995) and National Environment Protection (Assessment of Site Contamination) Measure 1999, 2013 Amendment (NEPC 2013);
- Assessing and describing the source, type, extent and level of contamination by comparing the collected soil data against the adopted SAC outlined in guidelines including, but not limited to, NEPM (NPEC, 2013), PFAS National Environmental Management Plan v2.0 (NEMP, 2020) and other relevant guidelines, as outlined throughout this report;
- Determine the potential risks posed to human health and environment (if present); and
- Provide an assessment of the site and develop recommendations for remedial works or ongoing management based on the findings (if required).

1.4 Scope of Work

The Scope of work for the investigation involved the following:

1.4.1 Phase One – Desktop Review

- Desktop review of the site plans, previous environmental investigations, selected aerial photographs, title records, NSW EPA public registers and council planning records/ certificates; and
- Obtain and review Dial Before You Dig (DBYD) documentation.

1.4.2 Phase Two – Field Investigation

- Understanding and sign on to a job specific Safety, Health & Environmental Work Method Statement (SH&EWMS) and the completion of a toolbox talk before undertaking works.
- Excavation of 154 test pits using a 10-tonne excavator.
- Field logging of soil profile and site observations.
- Soil sampling of the fill and natural materials to a maximum depth of 2.0 metres below ground level (mbgl).
- Field screening of collected samples for Volatile Organic Compounds (VOCs) using a calibrated Photo-ionisation Detector (PID).
- Cold storage of all soil samples collected and analysis of samples for the following analytes based on the findings outlined in the Stage I PSI (DP, 2019) and the Conceptual Site Model (CSM):
- Asbestos (500 mL NEPM sample), BTEX, Heavy Metals (Arsenic, Cadmium Chromium, Copper, Lead, Mercury, Nickel and Zinc), OCPs / OPPs, Polycyclic Aromatic Hydrocarbons (PAHs), Phenols, Clay Content, Salinity, Polychlorinated biphenyl (PCB), Recoverable Hydrocarbons (TRHs), Volatile Organic Compounds (VOCs) and Per-and Polyfluoroalkyl Substances (PFAS).

1.4.3 Phase Three – Analytical Test Work

Submission of samples to NATA accredited laboratories for analysis under Chain of Custody (CoC) documentation.

1.4.4 Phase Four – Data Assessment and Conclusions

- Interpretation of analytical results and field observations in accordance with relevant guidelines and codes of conduct described below in Section 1.5.
- Preparation of a DSI report outlining the investigation, interpretation of results, and including conclusions and recommendations with reference to the proposed development.

1.5 Guidelines and Codes of Practice

The legislative framework for the report is based on guidelines that have been issued and/or endorsed by the NSW Environmental Protection Authority (EPA), formerly the Office of Environment and Heritage (OEH) under the following Acts/Regulations:

- Contaminated Land Management Act 1997.
- Environmental Planning and Assessment Act 1979.
- Protection of the Environment Operations Act 1997.
- State Environmental Planning Policy (SEPP) 55 'Remediation of Land'.

The relevant guidelines issued under the provisions of the Acts/Regulations include:

- Guidance for the Preparation of Standard Operating Procedures for Quality-Related Documents (EPA QA/G-6).
- Guidance on Data Quality Indicators, EPA QA/G-5I.
- Guidelines for the NSW Site Auditor Scheme (3rd Edition), NSW 2017.
- Guidelines on the Duty to Report Contamination (2015) under the Contaminated Land Management Act 1997.
- Guidance for the Data Quality Objectives Process (EPA QA/G-4).
- Guidance for Data Quality Assessment: Practical Methods for Data Analysis (EPA QA/G-9).
- National Functional Guidelines for Inorganic Data Review, USEPA, (1994).
- NSW EPA Contaminated Sites: Sampling Design Guidelines (NSW EPA 1995).
- National Environmental Protection Council [NEPC]. (2013). National Environmental Protection Measure 1999, 2013 Amendment (NEPC, 2013).
- New South Wales Environmental Protection Agency [NSW EPA]. (2020). Consultants reporting on contaminated land - Contaminated Land Guidelines (NSW EPA, 2020).
- The Heads of EPAs Australia and New Zealand [HEPA]. (2020). PFAS National Environmental Management Plan Version 2.0, dated January 2020 (HEPA, 2020).

Australian Standards applied to this investigation:

- Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile substances, (Standards Australia, 1999);
- Standards Australia Australian Standard AS4964-2004: Method for the qualitative identification of asbestos in bulk samples (Standards Australia, 2004); and
- Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds (Standards Australia, 2005).

The following local government plans have also been taken into consideration for the preparation of this DSI:

- Penrith City Council Environmental Plan (2010).

2 Site Identification and Details

2.1 Site Location

The site entails Lots 20-23 in DP 255560 and Lots 30-32 in DP258949 located at 200 Aldington Road, Kemps Creek NSW and comprises an approximate area of 72.09 hectares (ha). The site is currently used for agricultural purposes. The location of the site is defined by an irregular Shape and is shown below in Figure 1 (refer to *Appendix A - Figures).*

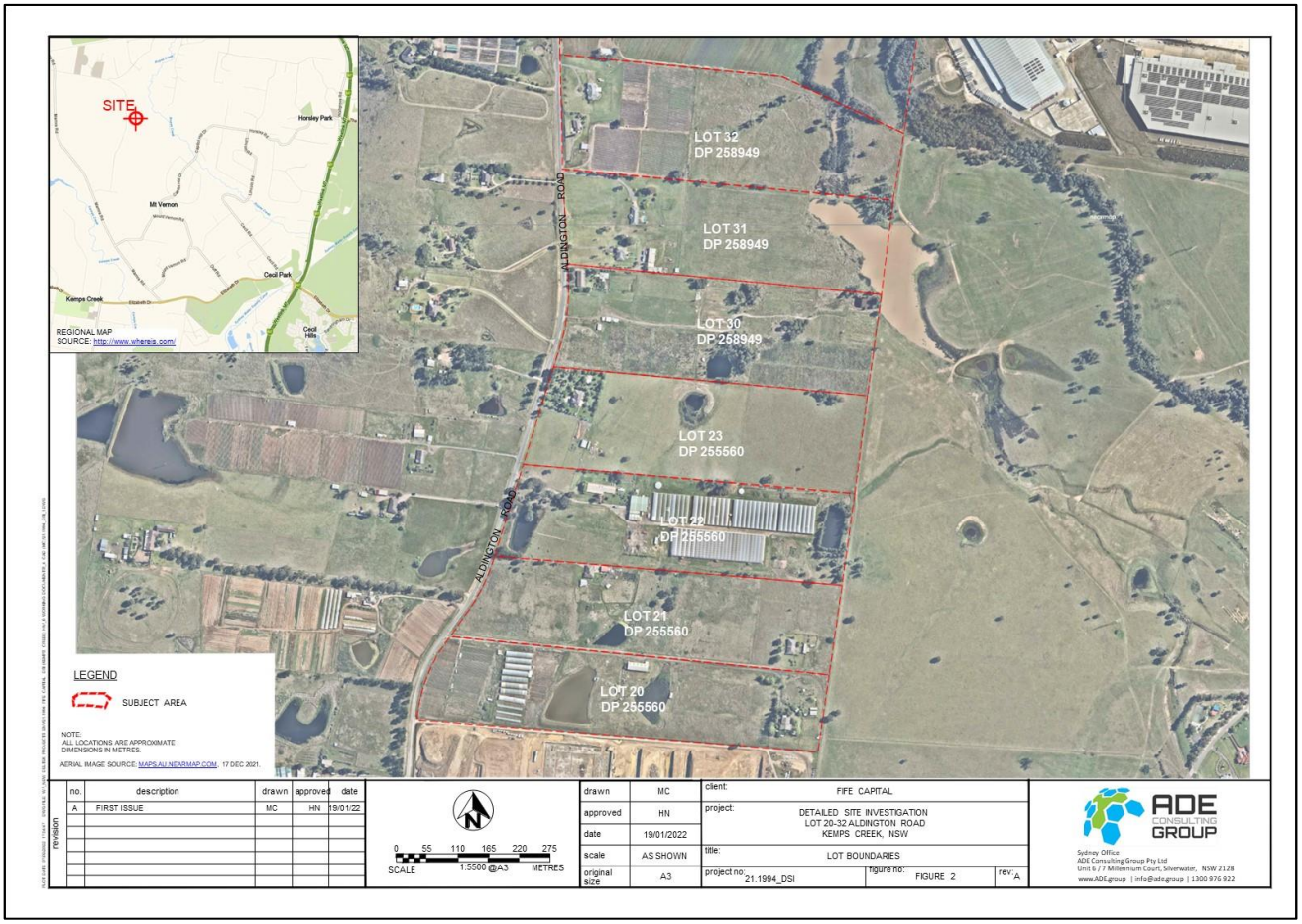

Figure 1. Site boundary outlined in red (image adapted from *Nearmap*; accessed on 19.01.2022).

2.2 Summary of Site Details

Table 1. Summary of Site Identification Details for the site.

Site Details	
Site Address	200 Aldington Road, Kemps Creek NSW
Title Identification	Lots 20-23, DP 255560 Lots 30-32, DP 258949
LGA	Penrith City Council
Current Land Use Zoning	Agriculture & rural
Site Area	Approximately 72.09 ha
Current Site Owner / Occupier	Fife Capital

Former and current land use	Agriculture
Local Environmental Plan	Penrith City Council Environmental Plan (2010).

3 Previous Environmental Investigations

The summaries of previous environmental investigations made available to ADE have been summarised as follows to inform the conceptual site model and data gaps required to be addressed for the DSI.

3.1 KPMG SGA Property Consultancy Pty Ltd (KPMG) Site Review of Contamination and Assessment (KPMG 2019)

The first investigation on this site was conducted by KPMG to assess the site through a soil sampling program, desktop review of background information (aerial photographs and NSW EPA data base), and a site walkover to identify further possible contamination sites.

A review of historical aerial photographs was conducted from 1955 through to 2018. From 1955 to 1972 only two dams were created in the north and south with the rest of the area being open vacant farmland. In 1972 through to 1982 the construction of serval houses and associated shed along with market gardens were built. By 1992 an additional house in the northwest and glass houses in the south were constructed with more being added in the centre in 2004. No discernible changes were observed from 2004 to 2018. There was concern over the houses containing asbestos with fibre cement sheeting (FCS) being observed in all but one house with some having additional structures like chook coops being made of FCS. Further testing would be needed to confirm the presence of asbestos within these structures. Fragments of FCS containing asbestos have been found in demolition dumps within Lot 20 and Lot 22.

The site has a continued history of market gardens and farmland which has led to many decades of chemical use in the form of herbicides and pesticides. Mixing areas of these chemicals were very closely related to the dams on each property (bar Lot 23) and have a high chance to leaked or spill (no bunding was observed) into the water source or adjacent land.

KPMG concluded the site has a moderate potential for significant soil and groundwater contamination to be present, with a low risk of off-site migration of the potential contamination. The primary source of contamination to the site was likely due to the market gardens. Also noted was a further targeted investigation should be considered on the present and former areas of the market gardens.

3.2 Douglas Partners (DP) Preliminary Site Investigation (PSI) - Proposed Commercial/Industrial Subdivision 144-228 Aldington Rd, Kemps Creek NSW Project: 92364, October 2019 (DP, 2019)

The primary objective of DP (2019) was to review previous investigation conducted by KPMG, to identify further potential areas of concern and to provide a preliminary assessment of site contamination. Preliminary geotechnical and salinity investigations were also carried out.

Further review of the historical aerials of the area revealed that Lot 20 (1991-2002) and Lot 22 (2002-2009) have had the demolition of greenhouses. Potential areas of fill in the south of Lot 22 (1991) and a series of multiple fills in the easter section also occurring between 2015 and 2019.

DP found additional areas of concern for contamination from the site inspection. Surficial waste of drums with unknown liquids, burned drums, batteries, metal, pallets, bottles, foam, and plastics were present around sheds and dams. Further arounds dams are hummocky land and small stockpiles which DP found a concern for containing more potential contamination; this would need to be further investigated. Timber power poles were also considered to be of risk at leaching timber treatment chemicals into the surrounding soils.

Collection of soil samples from 12 test pits from a grid formation with an additional six targeted test pits on areas of concern. Depths ranging from 0 – 0.2 m, 0.2 – 0.5 m and repeated at regular intervals until natural soil

is observed (if possible). Sampling sites which were tested for TPH's, heavy metals, PAH's, phenols, BTEX, pesticides (OCP, OPP and PCB), and asbestos. All results for TRH, BTEX, OCP's, OPP's, PCB's and Phenols were detected at concentration not exceeding regulation levels. One sample exceeded Ecological and Health Screening and Investigation safe levels of PAH's (SS18 benzo(a)pyrene (BaP) TEQ at 61 mg/kg). Heavy metal samples had two zinc samples with exceeding Ecological Screening and Investigation levels (SS15 at ,2400 mg/kg and SS20 at 780 mg/kg) and one had exceeding ESLs/ EILs of arsenic (SS14 at 230 mg/kg). Asbestos (chrysotile) was detected in two material samples (MAT-1 and MAT-2) with no soil samples coming back with contamination.

DP concluded that based on their results of the site that there is a moderate to high potential for contamination. Recommended further investigations on:

- Current and former market gardens;
- Chemical and fuel mixing and storage areas;
- Dam sediments;
- Stockpiles, fill, driveways, and ground disturbances; and
- Timber power poles.

Also, investigation on the footprints of former sheds and the soils in the vicinity of current structures following demolition to assess for the presence of possible contaminates.

Douglas Partners have devised a Summary of Potential and Assigned AEC which has been used to assess the potential risks and harm being caused to human and ecological receptors from contamination sources on or in the vicinity of the site. The potential source and assigned AEC (1-7) as well as the requirement for additional data and/or management have been provided in **Table 2** below.

3.3 Douglas Partners (DP) Report on Preliminary Geotechnical Investigation and Preliminary Salinity Assessment - Proposed Commercial/Industrial Subdivision 144-228 Aldington Rd, Kemps Creek NSW Project: 92364, October 2019 (DP, 2019)

This report details the geotechnical landscape of the site explaining that surface levels generally fall from a low ridge which runs diagonally across the site in a northwest to southeast direction towards Aldington Road and the northeastern corner at grades of approximately 1 in 30 to 1 in 65. The overall distance in level is estimated to be approximately 27m from the highest parts of the site near the northwest and southeast corners at about RL 86 m relative to AHD to the lowest near the southwest corner at RL 59 m AHD.

DP reference the Map of Salinity Potential for Western Sydney which indicates known salinity and high salinity potential around the primary creek line/ dam in the northeast corner of the site and moderate salinity potential for the remainder of the site. The mapping is based on soil type, surface level and general groundwater considerations and thus is approximate only. The tests conducted on salinity of 50 samples showed results of the following:

- 14 samples: non saline.
- 25 samples: slightly saline.
- 10 samples: moderately saline.
- one sample: very saline.

This investigation included the excavation of 19 test pits and two boreholes with depths up to 3 m below surface level with a backhoe. The boreholes were drilled with truck mounted drilling rigs to depths of 9.7 m and 8.4 m, respectively. The general lithological outlay of the site was identified as the following:

- Topsoil: silty clay and clayey silt topsoil, to depths of 0.1-0.3;
- Fill: silty clay with some anthropogenic materials to depths 0.3-1.4m;
- Residual soil: variably stiff and hard clay and silty clay to depths of 0.6-3.3;
- Bedrock: very low strength sandstone, shale first contact at depths 0.6-2.6m and continuing to depths of 3 to 8 metres, varying in exact depth of excavation.

3.4 Douglas Partners (DP) Contamination Status Summary Report- Proposed Industrial Development 200 Aldington Road Kemps Creek NSW Project: 92421, September 2021 (DP, 2021)

DP 2021 provided a response to submissions by the Department of Planning Industry and Environment (DPIE) in March 2021 in reference to the DPIE's Secretary's Environmental Assessment Requirements (SEARs). Following the public exhibition of the project, amendments were made to respond to issues raised. This included a full assessment of the project against the Draft Mamre Road Precinct Development Control Program (draft MRP DCP).

This report also summarised findings from the DP PSI which included a recommendation for further contamination investigation. A summary of the AEC and associated COPC identified in the PSI was provided in **Table 3** below.

Table 3. AEC's and Associated COPC's

AEC #	Description	COPCs
1	**Market Gardens**- Potential for surface soils in the market gardens to be impacted with pesticide related COPC	OCP, OPP, metals
2	**Current and former structures-** numerous residential structures and sheds are located within the site. The location of several former structures were also identified. Given the age of the structures (often pre 1980's) there is the potential for surface soils in the vicinity of the structures (former and current) to be impacted by hazardous building materials.	Asbestos containing material (ACM), PCBs, metals
3	**Chemical and fuel storage-** former and current sheds may have been used for chemical and fuel storage. Multiple pesticide storage and mixing areas were identified, associated with market gardening activities. Fuel storage and refuelling areas, including three above ground storage tanks (AST) were also identified. There is potential for contamination of surface soils in the vicinity of these areas resulting from spillages and storage malpractice.	TRH, BTEX, PAH, PCB, metals, OCP, OPP
4	**Fill Material**- multiple stockpiles, areas of fill and ground disturbance were observed within the site. Stockpiles and fill may have been generated from impacted on or off-site sources. Areas of ground disturbance are potential indicators of filling. Imported aggregate fill has been placed on several access roads within the site. ACM associated with fill was identified in several locations.	TRH, BTEX, PAH, PCB, metals, OCP, OPP, asbestos
5	**Timber power poles-** multiple timber power poles are present within the site. Timber treatment chemicals associated with the poles have the potential to leach into, and impact, surrounding soils.	TRH, BTEX, PAHs, metals
6	**Possible asbestos pipes-** asbestos pipes may be present at the site, both from legacy utility trenches and from private networks installed by lot owners. Degradation and damage of pipes may lead to hazardous materials being present within the near surface soils.	Asbestos

AEC #	Description	COPCs
7	**Refuse-** Refuse including building demolition waste was observed in multiple areas of the site. Building demolition waste is a potential indicator for asbestos.	Aesthetic issues and asbestos

Based on the findings of the PSI and SCI, and review of recent aerial photographs taken since the completion of previous reports, DP considered that the site could be made suitable for the proposed industrial land use subject to further investigation and / or remediation of the identified AEC as follows:

- AEC 1: Further investigations are required to confirm the contamination status of surface soils in market gardens within lots 31 and 32. Market gardens in Lots 20-23 and 30 are considered suitable for the proposed use.
- AEC 2: Further investigations are required to confirm the contamination status of surface soils in the vicinity of former and current structures. A hazardous material assessment should be completed for current structures prior to demolition, with structure footprints investigation following demolition.
- AEC 3- Further investigations are required to confirm the contamination status of surface soils in chemical and fuel storage areas within Lots 31 and 32 and at SCI sampling locations SS15, SS20, TP 120 and TP122. Other identified chemical and fuel storage areas are considered suitable for the proposed use.
- AEC 4- Further investigations are required to confirm the contamination status of fill material within Lots 31 and 32 and at AEC 4 A, B, C, F, G, I, J, K and L. Fill material at AEC 4 D, E and H are considered suitable for the proposed use.
- AEC 5- Remediation of soil at the base of power poles is required at Lots 20- 23 and 30. Further investigations are required to confirm the contamination status of soil at the base of power poles within Lots 31 and 32.
- AEC 6- Buried asbestos pipes (if present) may become apparent during remediation and would normally require remediation under an unexpected finds protocol.
- AEC 7- Removal of surface refuse would be required as part of initial site development works.

3.5 Summary of previous reports

Both KPMG (2019) and DP (2019) recognise the potential for moderate to high potential for this site to be contaminated; particularly from the previous and current activity surrounding the market gardens and their associated chemicals use.

Various heavy metals and one PAH's sample were identified in excess of the assessment criteria, as well as some samples shown to contain asbestos, likely attributed to both on site market gardens and demolition of former structures.

The Contamination Status Summary Report (DP 2021) detailed the seven AEC's that were identified in the PSI which were investigated and determined by DP to be possible to be remediated and made suitable for the proposed development.

DP's Preliminary Geotechnical and Salinity Assessment identified the geotechnical and topographical landscape of the site. 50 salinity samples produced results that demonstrated that only one sample was highly saline and 80% of samples were slightly to not saline. The 19 test pits that were excavated provided a general lithology outlay of the site which was predominantly silty clay fill to approximately 1.4 m followed by stiff and hard clays to approximately 3.3 m and a bedrock and sandstone and shale.

4 Site Condition and Surrounding Environment

The following table represents a summary of the site condition and surrounding environment:

Table 4. Summary of Site Condition and Surrounding Environment.

Attribute	Description
Site Inspection Details	The site inspection and soil sampling were undertaken throughout the periods of 15 December 2021 to 14 January 2022 and additional sampling on 8 and 28 November 2022 by experienced environmental consultants representing ADE.
Topography and Elevation	The north-western portion of the site is generally covered by dwellings, tall grass, and agricultural land, having a moderate slope to the east. The eastern boundary of the site contains a manmade dam. The southern portion of the site generally grades to the west, being predominantly covered by tall grass and greenhouses with dwellings and other structures bordering the eastern boundary. The site was comprised of slopes roughly up to 8 degrees. Local slopes dipping to the northwest at angles up to 12 degrees.
Surrounding Land Use	The site is situated amongst an area comprised predominantly of rural and farming uses, with a major proportion of the land being covered with crops and greenhouses.
Surface Cover and Conditions	Much of the investigation area is overlain by greenhouses and farmland, long-grass, dense vegetation, and dams made for irrigation and drainage.
Local Geology	The precinct is underlain by Bringelly Shale and carbonaceous claystone, laminate, and coal. Bringelly Shale is a major formation of the Wianamatta group that outcrops over the large area of Western Sydney. The shale is comprised predominantly of claystones and siltstones with occasional sandstone layers. It is highly compacted, weakly cemented and contains significant amounts of swelling minerals. Surface levels are seen to fall from a low ridge that runs diagonally across the site in a northwestern to southeastern direction towards Aldington Road.
Hydrology	The site consists of multiple man-made dams for the purposes of irrigation and drainage. It is ADE's opinion that the ground water will flow in an approximate direction of northwest due to topography and location of Kemps Creek. Ropes creek is a watercourse that is part if the Hawkesbury-Nepean catchment located approximately 450 m east of the site. Kemps Creek located in 1.5km southeast of the site and is a tributary of South Creek which flows into the Hawkesbury River.

5 Data Quality Objectives

As stated in Section 18 Appendix B of Schedule B2 – Guideline on Site Characterisation in the ASC NEPM (NEPC 1999, amended 2013), the data quality objectives (DQO) process is a seven-step iterative planning approach used to define the type, quantity and quality of data needed to support decisions relating to the environmental condition of a site.

5.1 Step 1 – State the Problem

The objective is to determine the nature and extent of soil contamination at the site to assess if the site is suitable (or can be made suitable) for the proposed development of an industrial estate.

5.2 Step 2 – Identify the Decision

Based on a review of previous environmental investigations undertaken at the site, the following decisions need to be made:

- Is contamination present at the site above relevant investigation levels for commercial/industrial use?
- Is contamination present at the site that may present a risk to future inhabitants of the site, neighbouring properties or surrounding receptors?
- Is the remediation of soil required to render the site suitable for the proposed commercial/industrial land use?

5.3 Step 3 – Identify Inputs to the Decision

To address the decision questions outlined in Step 2 of the DQOs (refer to **Section 5.2**), the following inputs to the decision have been identified:

- Information from previous site investigations.
- Observations made during the field works.
- Results of the soil samples collected during the investigation.
- Relevant regulatory guidelines.

5.4 Step 4 – Definite Boundaries of the Study

The investigation boundaries are presented in **Table 5.**

Table 5. Summary of the Study Boundaries

Spatial Boundaries	The lateral boundaries of the site are limited to the proposed development area as shown in *Appendix A – Figures*. The vertical boundary for soil contamination within the site is limited to in-situ soils extending from the surface to approximately 1.9 m below ground level.
Temporal Boundaries	The investigation works were undertaken from the period of the 15 December 2021 to 14 January 2022 and 8 and 28 of November 2022.
Investigation Limit	The limit of the investigation extent was defined by previous investigations and the proposed development plans.
Constraints	Sampling locations were constrained by the presence of active agricultural farmland, overgrown tall grass and access to certain locations within the site. The investigation was limited to the areas of the site accessible at the time of the investigation. ADE notes various locations were inaccessible upon the request of the private owner(s) of the site.

Receptors of Concern	The potential receptors of concern are outlined in **Section 10.**

5.5 Step 5 – Develop a Decision Rule

The purpose of this step was to define the parameters of interest, specify action levels and combine the outputs of the previous DQO steps to develop a series of options if certain trigger events occur.

The key decision rules for this investigation were:

- Have the analytical data collected during this investigation met the DQI (see below)? If yes, then the data can be used to answer the decision rule below and the decision statements developed in Step 2. If no, then additional data/ assessment will be required.
- Are concentrations of CoPC's exceeding the investigation criteria defined in Section 5 (below)? If no, then the contamination does not pose an unacceptable risk. Where results exceed the adopted SAC, this may not necessarily indicate an unacceptable level of risk. Further risk assessment, and potentially additional investigations will be required to determine the potential for unacceptable impacts.

To assess the useability of the data for making decisions, the data has been assessed against a set of DQI, developed based on the following parameters:

- Precision: A quantitative measure of the variability (or reproducibility) of data.
- Accuracy: A quantitative measure of the closeness of reported data to the "true" value.
- Representativeness: The confidence (expressed qualitatively) that data are representative of each media.
- Completeness: A measure of the amount of useable data from a data collection activity.
- Comparability: The confidence (expressed qualitatively) that data may be equivalent for each sampling and analytical event.

5.6 Step 6 – Specify Acceptable Limits on Decision Errors

There are two sources of error for input to decisions:

- Sampling errors, which occur when the samples collected are not representative of the conditions within the investigation area; and
- Measurement errors, which occur during sample collection, handling, preparation, analysis and data reduction.

The null hypothesis for this study is:

- Contaminant concentrations within the soil at the site are above the adopted investigation levels.

These errors may lead to the following decision errors:

- Deciding that the risks posed by soil within the site are acceptable when these risks are not acceptable. The consequence of this error may be unacceptable impacts to human health, or the receiving environment; or
- Deciding that the risks posed by soil within the site are unacceptable when the risks are acceptable. The consequence of this error is that management actions will be undertaken to reduce risks that are not necessary.

The acceptable limit on decision errors is a 5% probability of a false negative (i.e. assessing that the average concentrations of COPC are less than the adopted soil investigation levels when they are greater than the investigation levels).

Where data sets are sufficiently populated, the 95% upper confidence limit (UCL) of the arithmetic mean will be used to calculate this probability. The 95% UCLs are to be less than the investigation level and standard deviation of the sample population shall be less than 50% of the investigation level.

5.7 Step 7 – Optimise the Design for Obtaining Data

The organisation of the data collection and analysis design for optimising the generation of data to satisfy the DQOs and the objective of the investigation has been achieved via the following procedures outlined in **Table 6.**

Table 6. Summary of procedures to be undertaken to optimise the design for obtaining data.

Pre-approved work plan	The sampling plan for the investigation at the site has been developed to assess the concentrations of contaminants present in soils at the site through the implementation of the components outlined within NEPM (2013), AS 4482.1 (2005) and AS/NZS 5667.1 (1998).
Compliance with EPA guidelines	• Use of appropriate techniques for the sampling, storage and transportation of samples • Implementation of NATA certified laboratory using analytical procedures as outlined in NEPM (2013) • Use of a secondary laboratory for split samples which is NATA certified for the required analyses

6 Sampling Plan, Methodology, Field Investigations and Investigation Pattern

6.1 Pre-work Procedure

Prior to mobilisation to site, a job-specific Safety, Health & Environmental Work Method Statement (SH&EWMS) was developed, which was presented in a pre-start meeting prior to the commencement of works and signed on to by ADE staff.

6.2 Sampling Design Plan Rationale

The site investigation and soil sampling procedures were developed in accordance with the NSW EPA Sampling Design Guidelines (NSW EPA, 1995). Based on the low-risk nature of the proposed development, a reduced sampling density of the recommended sampling points as per the NSW EPA (1995) Sampling Design Guidelines was adopted, including twenty six sampling locations were completed across the site by Douglas Partners (2019).

6.3 Soil Sampling Methodology

The intrusive investigation involved excavation of 152 test pits using an excavator provided by the client for soil sampling.

The sampling was undertaken during the periods of 15 December 2021 to 14 January 2022, 8 November 2022 and 28 November 2022 by multiple experienced environmental consultants representing ADE. The samples were collected from the fill and natural layer (between approximately 0.0 – 2.0 mbgl).

Samples were collected using dedicated nitrile gloves and placed in laboratory prepared, suitable analyte containers involving sterile glass jars lined with Teflon lids for chemical analysis, High-Density Polyethylene (HDPE) jars for PFAS analysis and 500 mL zip lock bags for asbestos analysis.

The samples collected for chemical (excluding PFAS) were placed within a pre-chilled esky or cooler box with ice packs or equivalent to maintain samples at approximately 4^0C. PFAS samples were stored within a separate, designated esky and placed in a cool, dry place out of direct sunlight. The original Chain of Custody (CoC) form was enclosed in the Esky that was then sealed and dispatched to NATA accredited analytical laboratories.

Following the collection of each sample, a PID with a 10.6 eV lamp, pre-calibrated with isobutylene gas at 100 ppm was used to screen the headspace gases of the collected samples to assess for the presence of VOCs. The PID headspace screening was conducted using a resealable zip-lock plastic bag, and the soil sample was agitated as the PID reading was taken inside the zip-lock plastic bag (the bag was appropriately sealed when inserting the PID).

A total of 162 primary soil samples, 15 blind replicate samples, 10 split replicate samples were collected throughout the course of the investigation. All samples were submitted to a NATA accredited laboratory for analysis as per the recommended holding times on a standard (5-day) turnaround time (refer to **Table 5** for the adopted sampling and analytical program).

6.4 Surface Water Sampling

ADE collected surface water samples on nine locations using a disposable poly vinyl chloride (PVC) bailer and polyester bailer chord. The sampling was conducted in November 2022 in dry weather conditions and the locations targeted included the nine ponds located on the site (Refer to *Appendix A, Figures).*

A calibrated water quality meter was used to record field quality parameters including biological oxygen demand (BOD), chemical oxygen demand (COD), Ammonia, Phosphorus, PFAS, heavy metals, PAHs, TRH, along with physical appearance of water (colour, turbidity, presence or sediments, odour etc).

6.5 Equipment Decontamination

Dedicated disposable materials (e.g. nitrile gloves) were changed between each sampling point. All disposable sampling equipment/materials were collected and removed before leaving the site. Documentation
A field observation log was kept by sampling personnel during all phases of soil sampling. Details recorded in the log included:

- Soil profile notes.
- Sampling method.
- Sample identification.
- Sample description.
- Sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed (refer to *Appendix E – Chain of Custody Documentation and Analytical Reports*). This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

6.6 Laboratory Submission

Samples were analysed by Sydney Laboratory Services (SLS) (primary laboratory), Eurofins (secondary laboratory), specifically:

- 62 primary soil samples collected by ADE throughout the period of 15 December 2021 to 14 January for analysis of Heavy Metals, TRHs, PAHs, BTEX, VOCs, TBT, OCPs, OPPs, PFAS (Short-suite), were submitted to SLS.
- 28 primary soil samples collected by ADE throughout the period of 11 December 2021 to 28 November 2022 for analysis of Heavy Metals, TRHs, PAHs, BTEX, OCPs, OPPs, PCBs, Phenols were submitted to SLS.
- 34 primary soil samples collected by ADE throughout the period of 15 December 2021 to 14 January for analysis of asbestos (500 mL) were submitted to SLS.
- 28 primary soil samples collected by ADE throughout the period of 11 December 2021 to 28 November 2022 for analysis of asbestos (500 mL) were submitted to SLS.
- 15 blind replicate samples (QAQC) collected by ADE throughout the period of 15 December 2021 to 14 January for analysis of Heavy Metals, TRHs, PAHs, BTEX, OCPs and OPPs were submitted to SLS.
- 10 split replicate samples (QAQC) collected by ADE throughout the period of 15 December 2021 to 14 January for analysis of Heavy Metals, TRHs, PAHs, BTEX, OCPs, OPPs were submitted to Eurofins.
- One blind replicate and one split replicate sample (QAQC) collected by ADE throughout the period of 11 December 2021 to 28 November 2022 for analysis of Heavy Metals, TRHs, PAHs, BTEX, OCPs and OPPs were submitted to SLS.

Surface water samples were analysed by Envirolab (secondary) specifically:

- 9 surface water samples collected by ADE on 28 November 2022 for analysis of Heavy Metals, TRHs, PAHs, PFAS, Phosphorus, Turbidity, BOD and COD were submitted to Envirolab.

- 1 blind replicate water sample (QAQC) collected by ADE on 28 November 2022 for analysis of Heavy Metals, TRHs, PAHs, PFAS, Phosphorus, Turbidity, BOD and COD were submitted to Envirolab.

Table 7 outlines the sampling and analytical program for analysis of soil and surface water analysis and soil QAQC samples collected within the site during the investigation. Refer to *Appendix E – Analytical Reports* and *Chain of Custody* for the analytical methods by the selected laboratories.

Inclusive within **Table 7** are pervious soil samples collected by Douglas Partners (DP) 30 September 2019 within the immediate vicinity of identified potential sources of contamination across the site from a total of 26 surface sample locations and 6 test pit locations. An additional 12 test pits and 2 bore holes, excavated for geotechnical and salinity purposes, were utilised as inspection test pits.

Table 7. Sampling and Analytical Program for the Site Investigation (refer to *Appendix A – Aerial Figure*).

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP01FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP02FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP03FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP03NAT_0.3-1.3	**0.3-1.3**	Natural		x						x
TP04FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP05FILL_0.0-0.5	**0.0-0.5**	Fill	x							x
TP05NAT_0.5-1.8	**0.5-1.8**	Natural		x						x
TP06FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP07FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP07FILL_0.0-0.2_BR	**0.0-0.2**	Fill	x							x
TP08FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP08NAT_0.2-1.3	**0.2-1.3**	Natural		x		x				X
TP08NAT_1.3-1.6	**1.3-1.6**	Natural		x						x
TP09FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP09NAT_0.3-0.7	**0.3-0.7**	Natural		x						x
TP09NAT_0.7-1.4	**0.7-1.4**	Natural		x						x
TP10FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP10FILL_0.2-0.7	**0.2-0.7**	Fill	x							x
TP10NAT_0.7-1.0	**0.7-1.0**	Natural		x						x
TP11FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP12FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP08NAT_1.3-1.6	**1.3-1.6**	Natural		x						x
TP09FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP13FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP14FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP14NAT_1.3	**1.3**	Natural		x		x				X
TP15FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP16FILL_0.0-0.45	**0.0-0.45**	Fill	x							x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP16NAT_0.45-1.0	**0.45-1.0**	Natural		x						x
TP17FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP18FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP19FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP19FILL_0.0-0.3_BR	**0.0-0.3_BR**	Fill	x							x
TP20FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP21FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP22FILL_0.0-0.2	**0.0-0.2**	Fill	x							x
TP23-fill-0.1	**0.1**	Fill	x							x
TP23-fill-0.1	**0.1**	Fill	x							x
TP23-natural-0.4	**0.4**	Natural		x						x
TP24-fill-0.1	**0.1**	Fill	x		x	x	x	x		x
TP24-natural-0.4	**0.4**	Natural								X
TP25-fill-0.1	**0.1**	Fill	x							x
TP25-fill-0.1	**0.1**	Fill	x							x
TP26-fill-0.1	**0.1**	Fill	x							x
TP26-natural-0.4	**0.4**	Natural		x						x
TP27-fill-0.1	**0.1**	Fill	x					x		x
TP27-fill-0.1	**0.1**	Fill	x							x
TP27-natural-0.4	**0.4**	Natural	x						x	x
TP28FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP29FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP30FILL_0.0-0.2	**0.0-0.2**	Fill	x							X
TP31FILL_0.0-0.3	**0.0-0.3**	Fill	x		x					x
TP32FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP33FILL_0.0-0.2	**0-0.2**	Fill	x							X
TP34FILL_0.0-0.3	**0.0-0.3**	Fill	x							X
TP34NAT_0.3-1.0	**0.3-1.0**	Natural		x		x				x
TP35-Fill-0.1	**0.1**	Fill	X							x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP36-fill-0.2	**0.2**	Fill	x							x
TP36-natural-0.3	**0.3**	Natural		x						x
TP36-BR2-0.2	**0.2**	Fill	x							x
TP37-natural-0.4	**0.4**	Natural		x						x
TP37-fill-0.3	**0.3**	Fill	x	X	x	x	x	x		x
TP38-fill-0.3	**0.3**	Fill	x							x
TP39-fill-0.5	**0.5**	Fill	x				x			x
TP39-fill-0.5	**0.5**	Fill	x							x
TP39-BR1-0.5	**0.5**	Fill	x							x
TP40-fill-0.5	**0.5**	Fill	X							x
TP41-fill-0.5	**0.5**	Fill	x					x		x
TP41-fill-0.5	**0.5**	Fill	x							x
TP42-fill-0.5	**0.5**	Fill	x							x
TP43-fill-0.2	**0.2**	Fill	x							x
TP43-fill-0.2	**0.2**	Fill	x							x
TP43-natural-0.3	**0.3**	Natural	x							X
TP44-fill-0.3	**0.3**	Fill	x							x
TP44-natural-0.4	**0.4**	Natural		x						x
TP45-fill-0.3	**0.3**	Fill	x							x
TP46-fill-0.3	**0.3**	Fill	x							x
TP46-natural-0.4	**0.4**	Natural		x						x
TP47-fill-0.1	**0.1**	Natural	x		x	x	x	x		x
21.1994.TP47-BR	**0.1**	Fill	x							x
TP47-natural-0.3	**0.3**	Natural		x						x
TP48-fill-0.1	**0.1**	Fill	x							x
TP48-natural-0.3	**0.3**	Natural		x						x
TP49-fill-0.1	**0.1**	Fill	x							x
TP49-fill-0.1	**0.1**	Fill	x							x
TP50-fill-0.2	**0.2**	Fill	x					x		x
TP50-fill-0.2	**0.2**	Fill	x							x
TP50-natural-0.4	**0.4**	Natural		x						x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP51-fill-0.9	**0.9**	Fill	x							X
TP51-natural-1.0	**1.0**	Fill	x		x	x		x		x
TP52-fill-0.3	**0.3**	Fill	x							x
TP52-fill-0.3	**0.3**	Fill	x							x
TP52-natural-0.4	**0.4**	Natural	x							x
TP53-fill-0.1	**0.1**	Fill	x							x
TP54-fill-0.1	**0.1**	Fill	x							x
TP54-fill-0.1	**0.1**	Fill	x							x
TP54-fill-0.2	**0.2**	Fill	x							x
TP54-BR2-0.1	**0.1**	Fill	x							x
TP55-fill-0.1	**0.1**	Fill	x							x
TP56-fill-0.4	**0.4**	Fill	x							x
TP56-fill-0.4	**0.4**	Fill	x					x		x
TP56-natural-0.5	**0.5**	Natural	x							x
TP57-fill-0.1	**0.1**	Fill	x							x
TP57-natural-0.2	**0.2**	Natural	X							x
TP58-fill-0.1	**0.1**	Fill	x							x
TP58-fill-0.1	**1.0**	Fill	x							X
TP59-fill-0.1	**0.1**	Fill	x		x	x	x	x		x
TP59-natural-0.2	**0.2**	Natural		x						x
21.1994.BR1	**0.1**	Fill	x							x
TP60-fill-0.1	**0.1**	Fill	x							x
TP60-fill-0.1	**0.1**	Fill	x							x
TP61-fill-0.2	**0.2**	Fill	X							x
TP61-natural-0.3	**0.3**	Natural		x						x
TP62-fill-0.2	**0.2**	Fill	x							x
TP62-fill-0.2	**0.2**	Fill	x							x
TP62-natural-0.3	**0.3**	Natural		x						x
TP63-fill-0.1	**0.1**	Fill	x							x
TP64-fill-0.2	**0.2**	Fill	x							x
TP64-fill-0.2	**0.2**	Fill								x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP64-natural-0.3	**0.3**	Natural		x						x
TP65-fill-0.1	**0.1**	Fill	x		x	x	x	x		x
TP65-natural-0.25	**0.25**	Natural		x						x
TP66-fill-0.1	**0.1**	Fill	x							x
TP66-fill-0.1	**0.1**	Fill	x							x
TP67-fill-0.1	**0.1**	Fill	x							x
TP67-natural-0.2	**0.2**	Natural		x						x
TP68-fill-0.1	**0.1**	Fill	x					x		x
TP68-fill-0.1	**0.1**	Fill	x							x
TP68-natural-0.3	**0.3**	Natural		x						x
TP69-fill-0.1	**0.1**	Fill	x							x
21.1994.BR2	**0.1**	Fill	x							x
TP70-fill-0.2	**0.2**	Fill	x							x
TP70-fill-0.2	**0.2**	Fill	x							x
TP70-natural-0.4	**0.4**	Natural		x						x
TP71-fill-0.1	**0.1**	Fill	x		x	x	x	x		x
TP71-natural-0.3	**0.3**	Natural		x						x
TP72-fill-0.2	**0.2**	Fill	x							x
TP72-fill-0.2	**0.2**	Fill	x							x
TP73-fill-0.1	**0.1**	Fill	x							X
TP73-natural-0.2	**0.2**	Natural		x						x
TP74-fill-0.1	**0.1**	Fill	x							x
TP74-fill-0.1	**0.1**	Fill	x							x
TP74-natural-0.1	**0.1**	Natural	x							x
TP75-fill-0.1	**0.1**	Fill	x							x
TP75-natural-0.3	**0.3**	Natural		x						x
TP76-fill-0.3	**0.3**	Fill	x							x
TP76-fill-0.3	**0.3**	Fill	x						x	x
TP76-BR1	**0.1**	Fill	x							x
TP77-fill-0.5	**0.5**	Fill	x	x	x	x	x	x		x
TP77-natural-0.6	**0.6**	Natural		x						x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP78-fill-0.3	**0.3**	Fill	x							x
TP78-fill-0.3	**0.3**	Fill	x							x
TP79-fill-0.2	**0.2**	Fill	x							x
TP79-natural-0.3	**0.3**	Natural		x						x
TP80-fill-0.2	**0.2**	Fill	x					x		x
TP80-fill-0.2	**0.2**	Fill	x							X
TP80-natural-0.3	**0.3**	Natural		x						x
TP81-fill-0.2	**0.2**	Fill	x							x
TP82-fill-0.2	**0.2**	Fill	x							x
TP82-fill-0.2	**0.2**	Fill	x							x
TP82-fill-0.3	**0.3**	Fill		x						x
TP83-fill-0.3	**0.3**	Fill	x	x	x	x	x	x		x
TP83-natural-0.4	**0.4**	Natural		x						x
TP84-fill-0.2	**0.2**	Fill	x							x
TP84-fill-0.2	**0.2**	Fill	x							x
TP85-fill-0.3	**0.3**	Fill	x							x
TP85-natural-0.4	**0.4**	Natural		x						x
TP86-fill-0.3	**0.3**	Fill	x					x		x
TP86-fill-0.3	**0.3**	Fill	x							x
TP86-natural-0.4	**0.4**	Natural		x						x
TP86-BR2-0.3	**0.3**	Fill	x							x
TP87-fill-0.3	**0.3**	Fill	x							x
88 (yet to be sampled)										
89 (yet to be sampled)										
90 (yet to be sampled)										
91 (yet to be sampled)										
TP92-fill-0.4	**0.4**	Fill	x	x	x	x	x	x		x
TP92-fill-0.4	**0.4**	Fill	x							x
TP92-natural-0.5	**0.5**	Natural		x						x
TP93FILL_0.0-0.4	**0.0-0.4**	Fill	x							x
TP93NAT_0.8-1.1	**0.8-1.1**	Natural		x						x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP94FILL_0.0-0.2	**0.0-0.2**	Fill			x					x
TP95FILL_0.0-0.1	**0.0-0.1**	Fill	x							x
TP95NAT_0.1-0.5	**0.1-0.5**	Natural		x		x				x
TP96FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP96FILL_0.0-0.3_BR	**0.0-0.3**	Fill	x							x
TP97-fill	**0.1**	Fill	x							x
TP97-nat	**0.3**	Natural	x							X
TP97-BR	**0.1**	Fill	x							x
TP98-fill	**0.1**	Natural	x					x		x
TP98-nat	**0.3**	Natural	x							x
TP99-fill	**0.25**	Fill	x							x
TP100-fill	**0.1**	Fill	x							x
TP100-fill	**0.1**	Fill	x							x
TP100-nat	**0.2**	Natural	x							x
TP101FILL_0.0-0.4	**0.0-0.4**	Fill	x							x
TP102FILL_0.0-1.1	**0.0-1.1**	Fill	x							x
TP102NAT_1.1-1.9	**1.1-1.9**	Natural		x						x
TP103FILL_0.3	**0.3**	Fill	x							X
TP104FILL_0.0-0.3	**0.0-0.3**	Fill	x							x
TP104NAT_0.3-0.8	**0.3-0.8**	Natural		x						x
TP105-fill	**0.0-0.3**	Fill	x							x
TP106-fill	**0.0-0.3**	Fill	x							x
TP106-fill	**0.0-0.3**	Fill	x							x
TP106-nat	**0.3-0.5**	Natural	x							x
TP107-fill	**0.1-0.2**	Fill	x		x	x		x		x
TP107-nat	**0.2-0.5**	Fill	x							x
TP108-fill	**0.1-0.2**	Fill	x							x
TP108-fill	**0.1-0.2**	Fill	x							x
109 (yet to be sampled)										
TP110-fill	**0.05**	Fill	x					x		x
TP110-nat	**0.1**	Natural	x							x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP111-fill	**0.1**	Fill	x							x
TP112-fill	**0.1**	Fill	x							x
TP112-fill	**0.1**	Fill	x							X
TP113-fill	**0.1**	Fill	x		x	x		x		x
TP113-nat	**0.3**	Natural	x							x
TP114-fill	**0.1**	Fill	x							x
TP114-fill	**0.1**	Fill	x							x
TP114-BR2	**0.1**	Fill	x							x
TP115-fill	**0.1**	Fill	x							x
TP115-nat	**0.3**	Natural	x							x
TP116-fill	**0.1**	Fill	x							x
TP116-fill	**0.1**	Fill	x					x		x
TP116-nat	**0.3**	Natural	x							x
TP117-fill	**0.1**	Fill	x							x
TP117-BR2	**0.1**	Fill	x							x
TP118-fill	**0.1**	Fill	x							x
TP118-nat	**0.2**	Natural	x							x
TP119-fill	**0.1**	Fill	x		x	x		x		x
TP119-nat	**0.3**	Natural								x
TP119-BR	**0.1**	Fill	x							x
TP120-fill	**0.1**	Fill	x							X
121 (yet to be sampled)		-								
TP122-fill	**0.1**	Fill	x					x		x
TP122-nat	**0.3**	Natural	x							x
TP123-fill	**0.1**	Fill	x							x
TP124-fill	**0.1**	Fill	x		x	x		x		x
TP124-nat	**0.3**	Natural	x							x
TP125-fill	**0.1**	Fill	x							x
TP126-nat	**0.2**	Natural	x							x
TP126-fill	**0.1**	Fill	x							x
TP127-nat	**0.2**	Natural	x							x

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
TP127-fill	**0.1**	Fill	x					x		x
TP128-fill	**0.1**	Fill	x							x
TP129-nat	**0.3**	Natural	x							x
TP129-fill	**0.1**	Fill	x		x	x		x		x
TP130-fill	**0.1**	Fill	x							x
21.1994.TP1.Fill	**0.1**	Fill	x					x		
21.1994.TP1.Salinity							x			
21.1994.TP1.Natural	**0.3**	Natural		x						
21.1994.TP2.Fill	**0.1**	Fill	x					x		
21.1994.TP2.Salinity							x			
21.1994.TP3.Fill	**0.1**	Fill	x					x		
21.1994.TP3.Salinity							x			
21.1994.TP3.Natural	**0.3**	Natural		x						
21.1994.TP4.Fill	**0.1**	Fill	x					x		
21.1994.TP4.Salinity							x			
21.1994.TP5.Fill	**0.1**	Fill	x					x		
21.1994.TP5.Salinity							x			
21.1994.TP6.Fill	**0.2**	Fill	x					x		
21.1994.TP6.Salinity							x			
21.1994.TP6.Natural	**0.1**	Natural		x						
21.1994.TP7.Fill	**0.1**	Fill	x					x		
21.1994.TP7.Salinity							x			
21.1994.TP8.Fill	**0.1**	Fill	x					x		
21.1994.TP8.Salinity							x			
21.1994.TP9.Fill	**0.1**	Fill	x					x		
21.1994.TP9.Salinity							x			
21.1994.TP10.Fill	**0.1**	Fill	x					x		
21.1994.TP10.Salinity							x			
21.1994.TP11.Fill	**0.1**	Fill	x					x		
21.1994.TP11.Salinity							x			
21.1994.TP12.Fill	**0.1**	Fill	x					x		

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
21.1994.TP12.Salinity							x			
21.1994.TP13.Fill	**0.1**	Fill	x					x		
21.1994.TP13.Salinity							x			
21.1994.TP14.Fill	**0.1**	Fill	x					x		
21.1994.TP14.Salinity							x			
21.1994.TP15.Fill	**0.1**	Fill	x					x		
21.1994.TP15.Salinity							x			
21.1994.TP16.Fill	**0.1**	Fill	x					x		
21.1994.TP16.Salinity							x			
21.1994.TP16.Natural	**0.3**	Natural		x						
21.1994.TP17.Fill	**0.1**	Fill	x					x		
21.1994.TP17.Salinity							x			
21.1994.TP18.Fill	**0.2**	Fill	x					x		
21.1994.TP18.Sal							x			
21.1994.TP18.Natural	**0.2**	Natural		x						
21.1994.TP19.Fill	**0.1**	Fill	x					x		
21.1994.TP19.Sal							x			
21.1994.TP20.Fill	**0.1**	Fill	x					x		
21.1994.TP20.Sal							x			
21.1994.TP21.Natural		Natural								
21.1994.TP21.Fill	**0.1**	Fill	x					x	x	
21.1994.TP21.Sal							x			
21.1994.TP22.Fill	**0.1**	Fill	x					x	x	
21.1994.TP22.Sal							x			
21.1994.TP23.Fill	**0.1**	Fill	x					x	x	
21.1994.TP23.Sal							x			
21.1994.TP24.Natural	**0.1**	Natural								
21.1994.TP24.Fill	**0.1**	Fill	x					x	x	
21.1994.TP24.Sal							x			
21.1994.TP25.Fill	**0.1**	Fill	x					x	x	
21.1994.TP25.Sal							x			

\	Depth (m bgl)	Sample Type	Analysis							
			Standard Suite	8 HM, TRH, BTEX, PAHs	PFAS-short suite	VOCs / sVOCs and phenols	Salinity	NEPM	CEC / Clay Content	PID Field Screening
21.1994.TP25.Natural	**0.2**	Natural		x						
21.1994.TP26.Fill	**0.1**	Fill	x					x	x	
21.1994.TP26.Sal							x			
21.1994.TP27.Fill	**0.1**	Fill	x					x	x	
21.1994.TP27.Sal							x			
21.1994.TP28.Fill	**0.1**	Fill	x					x	x	
21.1994.TP28.Sal							x			

Table 7a. Sampling conducted by DP 30.07.2019

Test pit ID / Sample No.	Depth (m bgl)	Sample Type	Analysis								
			Metals	PAH	TRH & BTEX	OCP	OPP & PCB	Phenols	PH & CEC	Asbestos 50g	Asbestos Bulk
DP-SS1	0.1	Fill	X	X	X	X				X	
DP-SS2	0.1	Fill	X	X	X					X	
DP-SS3	0.1	Fill	X	X	X	X	X	X		X	
DP-SS4	0.1	Fill	X	X	X						
DP-SS5	0.1	Fill	X	X	X	X				X	
DP-SS6	0.1	Fill	X	X	X	X				X	
DP-SS7	0.1	Fill	X	X	X	X	X			X	
DP-SS8	0.1	Fill	X	X	X	X					
DP-SS9	0.1	Fill				X					
DP-SS10	0.1	Fill	X	X	X	X				X	
DP-SS11	0.1	Fill				X			X		
DP-SS12	0.1	Fill				X					
DP-SS13	0.1	Fill	X	X	X	X	X	X		X	
DP-SS14	0.1	Fill	X	X						X	
DP-SS15	0.1	Fill	X	X	X	X	X			X	
DP-SS16	0.1	Fill				X	X		X		
DP-SS17	0.1	Fill		X							
DP-SS18	0.1	Fill		X	X						
DP-SS19	0.1	Fill		X							
DP-SS20	0.1	Fill	X	X	X	X	X	X		X	
DP-SS21	0.1	Fill	X	X	X	X	X			X	
DP-SS22	0.1	Fill	X	X	X	X				X	
DP-SS23	0.1	Fill	X	X	X	X				X	
DP-SS24	0.1	Fill	X			X				X	
MAT-1											X
MAT-2											
MAT-3											X
MAT-4											X
BD1											
BD2				X							
BD3											

Notes to Table 7

1 – Full suite of analysis includes BTEX, Heavy Metals, OCPs / OPPs, PAHs, PCB, TRHs, VOCs, PFAS and 10L asbestos screening

2 – 500 mL asbestos sample for asbestos fines/fibrous asbestos (AF/FA), as per NEPM (2013)

3 – Replicate suite of analysis includes Heavy Metals, OCPs / OPPs, PAHs, TRH and PCB

7 Assessment Criteria

7.1 Soil Assessment Criteria

The assessment criteria specified in the following publications were employed for this DSI:

- NEPC, National Environmental Protection Measure [NEPM] Schedule B1 (NEPC, 2013).
- NSW EPA, Waste Classification Guidelines. Part 1: Classifying Waste (NSW EPA, 2014).
- HEPA, PFAS National Environmental Management Plan (NEMP) v2.0 (HEPA, 2020).

7.1.1 Health Investigation Level (HILs)

The NEPM (2013) guidelines stipulate 4 generic land-use settings for assessment used in the first stage (Tier 1 or 'screening') of potential risks to human health for a broad range of metals and organic substances. The HIL's are applicable for assessing human health risk via all relevant pathways of exposure. The 4 HIL categories are used to evaluate human health risk via all relevant pathways of exposure for the following broad land use categories:

- HIL-A - Residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake, no poultry, also includes children's day care centres, preschools and primary schools;
- HIL-B - Residential with minimal opportunities for soil access includes dwellings with fully and permanently paved yard space such as high-rise buildings and flats;
- HIL-C - Public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and footpaths. It does not include undeveloped public open space (such as urban bushland and reserves), which should be subject to a Site-specific assessment where appropriate; and
- HIL-D - Commercial/industrial such as shops, offices, factories and industrial sites.

Based on available information, which includes future land use as an industrial estate, commercial/industrial (HIL-D) criteria has been adopted for the purposes of this investigation, refer to **Table 8** below.

Table 8. Summary of HILs-D in Soil, adapted from Table 1A(1), Schedule B1 of NEPM (2013).

Analyte	HILs D - Commercial/Industrial (mg/kg)
Arsenic (total)	3,000
Cadmium	900
Chromium (total)	3,600
Copper	240,000
Lead	1,500
Mercury (inorganic)	730
Nickel	6,000
Zinc	400,000
Carcinogenic PAHs (as BaP TEQ[1])	40
Total PAHs	4,000
Total PCBs	7
DDT+DDE+DDD	3,600
Aldrin and Dieldrin	45
Chlordane	530
Endosulfan	2,000
Endrin	100
Heptachlor	50
Hexachlorobenzene	80
Methoxychlor	2,500
Chlorpyrifos	2,000

7.1.2 Health Screening Level (HSLs)

HSLs have been developed for selected petroleum compounds and fractions and are applicable to assessing human health risk via the inhalation and direct contact pathways. The HSLs depend on specific soil physicochemical properties, land use scenarios, and the characteristics of building structures.

Health screening levels for petroleum hydrocarbon compounds are outlined in section 2.4 of Schedule B1 of NEPM (2013), and include tier 1 screening criteria for BTEX, naphthalene, TRH fractions C_6-C_{10} and C_{10}-C_{16} for vapour intrusion. As there is a potential pathway of exposure in relation to direct contact and ingestion for both construction workers and future users of the site, the HSL-D levels for direct human contact have also been adopted from CRC CARE (2011) and are further outlined in **Table 9** below**.**

Table 9. Site Assessment Criteria – HSLs for Soil Contamination.

Analyte	Health Screening Levels (HSLs)	
	Soil HSLs for Vapour Intrusion - HSL-D (mg/kg) (0m to <1m)	Soil HSLs for Direct Contact - HSL-D (mg/kg)[1]
Benzene	3	430
Toluene	-	99,000
Ethylbenzene	-	27,000
Xylene	230	81,000
Naphthalene	-	11,000
TRH: C6 – C10(F1)[3]	260	26,000
TRH: C10 – C16 (F2)	-	20,000
TRH: C16 – C34(F3)	-	27,000
TRH: C34 – C40(F4)	-	38,000

Notes to Table 9

1- Human exposure settings based on intended land use have been established for HILs/HSLs (see Taylor and Langley 1998). HIL-D – Commercial/Industrial such as shops, offices, factories and industrial sites, was the land use setting adopted for this investigation;

2- Carcinogenic PAHs: HIL is based on the 8 carcinogenic PAHs and their Toxic Equivalency Factor (TEFs) (potency relative to B[a]P). The B[a]P TEQ (Toxic Equivalency Quantity) is calculated by multiplying the concentration of each carcinogenic PAH in the sample by its B(a)P TEF.

3- To obtain F1, subtract the sum of BTEX from the C_6-C_{10} fraction.

7.1.3 Ecological Investigation Levels (EILs) and Ecological Screening Levels (ESLs)

The EILs assigned by the NEPM (2013) Schedule B5a - *Guideline on Ecological Risk Assessment* presents the methodology for deriving terrestrial EILs using both fresh and aged (i.e. > 2 years old) contamination for soil with the following land use types:

- Areas of ecological significance;
- Urban residential/public open space; and
- **Commercial/industrial**.

The EILs are calculated by summing the added contaminant limit (ACL) and the ambient background concentration (ABC) of contaminants to derive the site-specific soil quality guideline (SQG). This process considers the pH, cation exchange capacity (CEC), total iron, total organic carbon and clay content in soil that can affect concentration toxicity data. The methodology was developed to protect soil processes, soil biota (flora and fauna) and terrestrial invertebrates and vertebrates.

For the determination of the ABCs, ADE utilised the method based on 25% of urban metal levels in Olszowy et al. (1995) for old and low traffic areas for NSW, as assigned by the NEPM (2013) – Schedule B1. CEC and clay content tests have not been conducted for developing site-specific EILs/ESLs.

In the absence of physiochemical properties data, ADE adopted the conservative values for assessing selected contaminants as outlined in NEPM 2013. A review of the NSW OEH 'eSPADE' was conducted for estimated value of soil CEC and clay content within the site, however the source location was not identified as having the relevant data. As such, conservative values were adopted for setting up the preliminary EILs / ESLs as outlined

in **Table 10**. Values presented for Arsenic, Naphthalene and DDT are generic EILs based on total concentrations and aged (>2 years) / old contaminants.

Table 10. Derivation of site specific EILs as per NEPM (2013), with concentrations in mg/kg.

Contaminant	ABC[1]	ACL[2]	EIL
Arsenic (As)	-	-	160
Dichlorodiphenyltrichloroethane (DDT)	-	-	640
Naphthalene	-	-	370
Lead (Pb)	100	1800	1,900
Copper (Cu)	20	280	300
Nickel (Ni)	5	290	295
Chromium (Cr III)	8	660	668
Zinc (Zn)	75	130	205

Notes to Table 10

1 - ABC values derived from (Olszowy et al., 1995); and

2 - Since the absence of analytical data for EC and clay content, conservative values are adopted for assessing selected contaminants.

ESLs are presented based on a review of Canadian guidance for petroleum hydrocarbons in soil and application of the Australian methodology (Schedule B5b) to derive Tier 1 ESLs for BTEX, B(a)P and F1 and F2. The Canadians have adopted risk-based TPH standards for human health and ecological aspects for various land uses, refer to the technical supplement Canada-wide standard for petroleum hydrocarbons (PHC) in soil (CCME, 2008) directed by the Canadian Council of the Ministers of the Environment (CCME). The standards established soil values (refer to Table 1B (6) of the NEPM 2013) including ecologically based criteria for sites affected by TPH contamination for coarse-grained and fine-grained soil types.

Table 11. ESLs for TPH Fractions F1 – F4, BTEX and Benzo(a)pyrene (B[a]P) in Soil as per NEPM 2013.

Contaminant	Soil Texture	ESLs (mg/kg dry soil)
F1 TRH C_6-C_{10}	Coarse	215*
F2 TRH >C_{10}-C_{16}	Coarse	170*
F3 TRH >C_{16}-C_{34}	Coarse	1,700
F4 TRH >C_{34}-C_{40}	Coarse	3,300
Benzene	Coarse	75
Toluene	Coarse	135
Ethylbenzene	Coarse	165
Xylene	Coarse	180
B(a)P	Coarse	1.4

Notes to Table 11

1 – ESLs are of low reliability except where indicated by * which indicated that the ELS is of moderate reliability.

2 – To obtain F1, subtract the sum of BTEX from the C_6-C_{10} fraction.

7.1.4 Asbestos

ADE collected 34, 500 mL soil samples for analysis of asbestos fines (AF) and fibrous asbestos (FA). Collection of asbestos samples was restricted to the shallow surface/ fill layer at each sampling location. No soil samples were collected for asbestos analysis from the natural layer. For soils to be considered suitable to remain on site they must comply with the HSL-D criteria outlined within the NEPM (NEPC, 2013). Refer to **Table 12.**

Table 12. HSLs for Asbestos in Soil.

Asbestos Form	Health Screening Level (w/w)			
	HSL A	HSL B	HSL C	HSL D
Non-friable Asbestos	0.01 %	0.04 %	0.02 %	0.05 %
FA and AF	**0.001%**			
All forms of asbestos	**No visible asbestos on the soil surface**			

7.1.5 Management Limits

Petroleum hydrocarbon management limits are a set of assessment criteria outlined in Section 2.9, M=management limits for petroleum hydrocarbon compounds, in Schedule B1, of NEPM (2013) applicable to petroleum hydrocarbon compounds which aim to avoid or minimise the potential effects of:

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

The Management Limits provide Tier 1 screening levels following evaluation of human health and ecological risks and risks to groundwater resources. They are considered relevant for operating sites where significant sub-surface leakage of petroleum compounds may have occurred and decommissioned industrial and commercial sites. A summary of the adopted Management Limits for this site is provided in **Table 13**.

Table 13. Summary of Site Management Limits.

Chemical	Soil Type	Commercial/Industrial (mg/kg)
F1: TRH C6 – C10	Fine	700
F2: TRH C10 – C16	Fine	1 000
F3: TRH C16 – C34	Fine	3 500
F4: TRH C34 – C40	Fine	10 000

7.1.6 PFAS Assessment Criteria

To assess the potential risk of PFAS related contamination to human health, ADE has adopted the Health Investigation Levels assigned for commercial/industrial sites as referenced within the HEPA *PFAS National Environmental Management Plan Version 2.0 (2020)*. A summary of the PFAS related assessment criteria for the site is provided within **Table 14.**

Table 14. Site Assessment Criteria - PFAS HILs for Soil Contamination.

Analyte	Commercial/Industrial (mg/kg)
Sum of PFOS & PFAS	20
PFOA	50
PFOS	-

Notes to Table 14

Human exposure settings based on land use have been established for HILs/HSLs (see Taylor and Langley 1998). HIL-B – Residential with no use for home-grown produce and poultry and includes dwellings with fully and permanent paved yard space such as high rise-buildings and flats.

7.1.7 Surface water Assessment Criteria

Fresh water criteria have been adopted for both NEPM GILs and ANZG 2018 water quality guidelines as the site is away from the sea water intrusion zone.

The following level of protection will be adopted:

- Groundwater- 95% Species Protection

Table 15. Site Assessment Criteria (NEPM and ANZG) for Groundwater and surface water (µg/L)

Analyte	NEPM 2013, Groundwater Investigation Levels (GILs)	ANZG 2018, Water Quality Guidelines
	Fresh Waters (µg/L)[3]	Toxicant Default Guideline Values for Freshwater Level of Protection (95% species) (µg/L)
Arsenic (total)	24 (As III) 13 (As V)	24 (As III) 13 (As V)
Cadmium[1]	0.2	0.2
Chromium Cr (VI)	1[2]	1.0
Copper[1]	1.4	1.4
Lead[1]	3.4	3.4
Mercury (Total)	0.06[1]	0.6
Nickel[1]	11	11
Zinc[1]	8[3]	8
DDT	0.006[1]	0.01
Aldrin and Dieldrin	-	0.001[5]
Chlordane	0.03[1]	0.08
Endosulfan	0.03[1]	0.2[2]
Endrin	0.01[1]	0.02
Heptachlor	0.01[1]	0.09
Chlorpyrifos	0.01[1]	0.01
Benzene	950	950
Toluene	NL	180[5]
Ethyl Benzene	NL	80[5]
P Xylene	200[4]	200[4]
m Xylene	-	75
o Xylene	-	350
Phenol	-	320
Naphthalene	16	16
TRH:C_6–C_{10}(F1)	-	-
TRH:C_{10}-C_{16}(F2)	-	-
TRH:C_{16}-C_{34}(F3)	-	-
TRH:C_{34}–C_{40}(F4)	-	-

Notes to Table 15
NL Not Limiting
1 - Chemical for which possible bioaccumulation and secondary poisoning effects should be considered.
2 - Figure may not protect key species from chronic toxicity.
3 - Investigation levels apply to typical slightly-moderately disturbed systems.
4 - Xylene as p-xylene.
5 - Unknown level of species protection.

7.2 Aesthetics

As outlined in Section 3.6, in Schedule B1, aesthetic considerations of NEPM (2013) aesthetic quality of accessible soils should be considered even if analytical testing demonstrates that concentrations of CoPCs are within the SAC. It should be noted that there are no quantifiable guidelines in determining if soils are appropriately aesthetic. As stated in Section 3.6.3, the Assessment process for aesthetic issues, in Schedule B1, of NEPM (2013), professional judgement concerning the quantity, type and distribution of foreign materials and/or odours in relation to the specific land use should be employed.

The following examples would trigger further aesthetic assessment:

- Hydrocarbon sheen on surface water
- Anthropogenic soil staining

- Odorous soils (i.e. hydrocarbon or hydrogen sulphide odours)

7.3 Statistical Treatment

Analytical results from the soil sampling program are statistically analysed to determine their applicability to the assessment and recommendation of remedial actions in the event of Site assessment criteria exceedances.

A contaminant concentration in soil will be deemed a non-exceedance if:

- The maximum concentration of all samples meets the specified acceptance criteria; or
- The 95% Upper Control Limit (UCL) is below the acceptance criteria with the following criteria:
- The standard deviation of the results should be less than 50% of the relevant investigation or screening level; and
- No individual exceedance should exceed 250% of the relevant investigation or screening level.

If the 95% UCL of the arithmetic mean of a contaminant concentration is above the acceptance criteria, then the soil will be classified as contaminated and will require further assessment, remediation, removal, or management.

If the 95% UCL of the arithmetic average concentrations is below the acceptance criteria, and no concentrations are at a hotspot level, slight elevations above the acceptance criteria may be considered to pose insignificant human health or environmental risk. The location will hence be considered a non-exceedance requiring no further assessment, remediation, removal, or management. The statistical analysis for the assessment of ACM is not considered appropriate.

8 Data Quality Assessment

To carry out the assessment of the data acquired during the investigation, the US EPA Guidelines including, but not limited to, the *'Guidance on Assessing Quality Systems'* (2003) and *'Guidance on Systematic Planning Using the Data Quality Objectives Process'* (2006) were used.

The guidelines provide a general strategy for assessing data quality criteria and performance specifications for decision making. The following is the output from most of the steps of the Data Quality Assessment (DQA) Process provided in the guidelines. Quality control reports from the laboratories for sample analyses were reviewed. The review included an assessment of blank, duplicate, control, and spiked samples. The review of the QA/QC program was conducted in accordance with NSW EPA recommendations.

8.1 Data Review

Quality control reports from the laboratories subcontracted for sample analyses were reviewed. Laboratory blank samples, duplicate samples, control samples, spiked samples and method blanks were evaluated (refer to *Appendix F – QA/QC Output*).

This review was conducted in accordance with the items recommended by the NSW EPA for inclusion in the consultants' reports. Some additional recommendations from the US EPA methodology, as referred to by AS 4482.1, were also followed.

Following the QA/QC assessment, the validity of the results is determined based on the assessment criteria adopted, with the results expressed as either valid or invalid data (acceptable or unacceptable). The laboratory QA/QC sections can be found in their corresponding internal laboratory QA/QC reports (refer to *Appendix E – Chain of Custody Documentation and Laboratory Analytical Reports).*

8.1.1 COC

Australian Standard AS 4482.1 defines the Chain-Of-Custody (COC) documentation as the link in the transfer of samples between the time of collection and arrival at the laboratory.

The COC utilised by ADE included the items recommended by the Standard:

- Person transferred the samples;
- Person who received the samples;
- Date the samples were collected;
- Date the samples were received at the laboratory; and
- Contact name and details for the client.

Copies of the COCs completed during the course of this investigation are provided in *Appendix E – Chain of Custody Documentation and Laboratory Analytical Reports.*

8.1.2 Record of Holding Times

The objective is to ascertain the validity of the analytical results based on meeting the holding time for the samples from the time of collection to the time of analysis.

All samples collected over the course of the investigation were submitted within one day of the initial sampling event. As such, the holding times of all samples to the final submission to the laboratories used (SLS and Eurofins) meet the recommended holding time criteria, with all samples analysed within 7 days from the time of collection with the exception of test pit 35 (refer to *Appendix F – QA/QC Output*).

8.1.3 Field Equipment Calibration

Field equipment requiring calibration included the use of a pre-calibrated PID with a 10.6 eV lamp. The item is calibrated by a qualified external technician every 12 months or as prescribed by the technician, which is followed by an onsite calibration (bump test) using isobutylene gas at 100 ppm before each sampling event and/or per every ten (10) consecutive readings by a trained environmental consultant.

8.1.4 Analytical Methods Used

Analysis was undertaken by NATA accredited laboratories using US EPA approved methodologies. Refer to *Appendix E – Chain of Custody Documentation and Laboratory Analytical Reports* for the analytical methods used by the laboratories, which in all cases were deemed appropriate for the required analyses.

8.1.5 Laboratory Accreditation for Analytical Methods Used

Analysis was undertaken in NATA accredited laboratories using US EPA approved methodology. Refer to *Appendix E – Chain of Custody Documentation and Laboratory Analytical Reports,* for the details of laboratory accreditations for analytical methods used. The laboratory accreditation of SLS and Eurofins were deemed suitable for the required analyses.

8.1.6 Detection Limits / Practical Quantification Limits

The smallest amount of a substance that can be detected by the laboratories used – SLS and Eurofins, above the background method noise in a procedure and within a stated confidence level is referred to as the detection limit. The current practice identifies several detection limits, including the following: (1) the instrument detection limit (IDL), (2) the lower level detection limit (LLD), the method detection limit (MDL) and the practical quantitation limit (LOR). The relationship among these levels is approximately IDL: LLD: MDL: LOR = 1: 2: 4: 10. Refer to SLS and Eurofins for the list of LORs provided by their respective laboratories. When dilution of a sample is involved in the sample preparation, the method detection limit is adjusted by the dilution factor.

8.2 Field QA/QC

A summary of the QA/QC samples collected during field works is provided in **Table 16.**

Table 16. Summary of Field QA/QC Samples.

Field QA/QC	Frequency	Sample Details	Field QA/QC Frequency Achieved?
Blind replicate sample (soil)	1 per 10 samples	• 15 blind replicate sample was collected during the investigation. - BR1 is an intra-laboratory replicate of primary sample TP07 - BR is an intra-laboratory replicate of primary sample TP19 - BR2 is an intra-laboratory replicate of primary sample TP36 - BR1 is an intra-laboratory replicate of primary sample TP39 - BR is an intra-laboratory replicate of primary sample TP47 - BR2 is an intra-laboratory replicate of primary sample TP54 - BR1 is an intra-laboratory replicate of primary sample TP59 - BR2 is an intra-laboratory replicate of primary sample TP69 - BR1 is an intra-laboratory replicate of primary sample TP76 - BR2 is an intra-laboratory replicate of primary sample TP86 - BR is an intra-laboratory replicate of primary sample TP96 - BR is an intra-laboratory replicate of primary sample TP97 - BR2 is an intra-laboratory replicate of primary sample TP144 - BR2 is an intra-laboratory replicate of primary sample TP117 - BR is an intra-laboratory replicate of primary sample TP119	Yes

Field QA/QC	Frequency	Sample Details	Field QA/QC Frequency Achieved?
Split Replicate sample (soil)	1 per 20 samples	• 10 split replicate sample was collected during the investigation. - SR1 is an inter-laboratory replicate of primary sample TP76 - SR2 is an inter-laboratory replicate of primary sample TP36 - SR is an inter-laboratory replicate of primary sample TP51 - SR is an inter-laboratory replicate of primary sample TP47 - SR is an inter-laboratory replicate of primary sample TP59 - SR is an inter-laboratory replicate of primary sample TP119 - SR is an inter-laboratory replicate of primary sample TP96 - SR1 is an inter-laboratory replicate of primary sample TP97 - SR is an inter-laboratory replicate of primary sample TP07 - SR is an inter-laboratory replicate of primary sample TP19	
Trip Blank	6	• 6 trip blank samples were collected during the investigation.	
Trip Spike	6	• 6 trip spike samples were collected during the investigation.	

8.2.1 Blind and Split Replicate Samples

Australian Standard 4428.1 and the NEPM (2013) specifies the typical Relative Percentage Data (RPD) values for replicate samples to be below 30%. If both samples values are less than the Limits of Reporting (LOR), the RPD is not calculated. Valid values are sample concentrations that fall within the control limits of 0-30% described above. Invalid values are concentrations that are outside of the control limits.

8.3 Soil

15 intra-laboratory blind replicate soil sample were collected to determine the variability of the sampling process. The replicate samples were collected simultaneously from the same source and under identical conditions as the primary samples which can be seen in **Table 16** below.

Table 17.

Sample Name	Valid Values	Invalid Values
TP39-BR1-0.5	79	0
TP54-BR2-0.1	78	1
TP36-BR3-0.2	79	0
21.1994.TP47-BR	78	1
21.1994.BR1	79	0
21.1994.BR2	78	1
TP76-BR1	77	2
TP86-BR2-0.3	79	0
TP07FILL_0.0-0.2_BR	79	0
TP114-BR2	79	0
TP117-BR2	79	0
TP119-BR	77	2
TP19FILL_0.0-0.3_BR	79	0
TP96FILL_0.0-0.3_BR	79	0
TP97-BR	78	1
21.1994.BR1		
21.1994.BR2		
21.1994.BR3		

10 inter-laboratory split replicate sample was collected to measure the variability between the laboratory analysis process. The primary samples were submitted to SLS and were compared to the replicate samples submitted to Eurofins. The results can be seen below in **Table 18.**

Table 18.

Sample Name	Valid Values	Invalid Values
TP47-fill-0.1 21.1994.SR	65	0
TP51-fill-0.9 TP51.SR	50	15
TP36-fill-0.2.SR2	0	0
TP59-fill-0.1.21.1994.SR	65	0
TP76-fill-0.3.SR1	64	1
TP07FILL_0.0-0.2.SR	65	0
TP119-SR	65	0
TP19FILL_0.0-0.3.SR	65	0
TP96FILL 0.0-0.3 SR	65	0
TP97-SR1	65	0
21.1994.DSI3.SR		

8.4 Laboratory QA/QC

8.4.1 Laboratory Duplicates

- Duplicate sample determinations were provided by the laboratories to demonstrate acceptable method precision at the time of analysis.
- Duplicates are generally analysed at a frequency of one (1) for every ten (10) samples. Australian Standard 4482.1 provides an acceptable range of the RPD values up to 50% for quality control samples, depending on the magnitude of results compared to the LOR.
- Analysis of laboratory duplicates showed nil invalid values.

8.5 QA / QC Data Evaluation

The qualitative and quantitative descriptors, so called Data Quality Indicators (DQIs), were used in interpreting the degree of acceptability of the data acquired in the course of the investigation.

The principle DQIs are precision, accuracy, representativeness, comparability, and completeness, referred to by the acronym PARCC. Precision and accuracy are quantitative measures, representativeness and comparability are qualitative, and completeness combines both quantitative and qualitative measures. **Table 19** summarises the DQO reconciliation.

Table 19. Summary of DQO Reconciliation.

QA/QC Item	DQO Criteria	Valid Data	Invalid Data	Completeness	Conclusion
Blind Replicate Samples	75%	1177	8	99.32%	Acceptable
Split Replicate Samples	75%	569	16	97.19%	Acceptable
Trip Spike Samples	75%	620	0	100%	Acceptable
Trip Blank Samples	95%	567	0	100%	Acceptable
Overall Completeness:	**95%**	**2933**	**24**	**99.13%**	**Acceptable**

Notes to Table 18

1 - The one (1) invalid value was less than one (1) order of magnitude from the adopted LOR and was thus not considered to have an impact on the overall chemical assessment. .

*LOR – Limits of Reporting

A total of twenty-four 'invalid' values were recorded throughout the data quality assessment. ADE considers the 'invalid' results are likely attributed to the difficulties in obtaining a homogeneous sample from heterogeneous matrices. The ratio of the valid data to the total number of analyses conducted in the QA/QC program yielded **99.13%**%, thereby meeting the DQO criteria of 95% completeness.

9 Summary of Investigation Results

9.1 Field Observations

During site investigations, the soil matrix was observed to primarily consist of natural topsoil and medium clays. Some organic material and fine gravels were observed throughout the soil matrix. Shipping containers, water pumps and irrigation equipment as well as various vehicles were present throughout the site.

9.1.1 Site Soil and Sub Soil Geology

The profile of the soil materials within the investigation area consisted of natural material extending from 0.0 – 0.4 m bgl. Natural material was observed at 0.4m – 2.0m bgl.

9.1.2 PID Field Screening

Soil samples were screened for the presence of VOCs using a PID. The PID readings reported negligible concentrations across the Site, which ranged from 0.0 ppm to 0.3 ppm. This indicates that volatile petroleum hydrocarbons were not present at high concentrations. Refer to *Appendix II - Analytical Results Table* for PID Results.

9.2 Soil and Surface Water Results

Soil and surface water analytical results from each sample collected during the course of the investigation are presented in *Appendix B - Analytical Results Table*.

Laboratory results indicate that all samples collected returned with concentrations of CoPC below the SAC.

9.2.1 Soil Suitability Assessment – Human Health

Of the 162 primary soil samples analysed for the full chemical suite that was utilised for the investigation, all samples returned with concentrations below that of the adopted human health assessment criteria for Tier 1 screening purposes for commercial/industrial sites (HIL-D) and health screening levels for vapour intrusion and direct human contact (HSL-D), as outlined in the NEPM (*NEPC, 2013*).

9.2.2 Surface Water Assessment

9 surface water samples were collected on 28 November 2022 from 9 ponds was located on the site. Samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW6, DSI3.SW7, DSI3.SW8) showed exceedance in copper concentration comparing to the NEPM 2013 GILs Criteria for fresh water and also samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW5, DSI3.SW6, DSI.SW8, DSI3.SW9) showed exceedance in Mercury concentration comparing to the NEPM 2013 GILs Criteria for fresh water.

9.2.3 Asbestos Assessment

No asbestos was observed within any of the 500mL samples submitted for analysis (refer to *Appendix E - Chain of Custody Documentation and Analytical Reports*).

10 Conceptual Site Model

10.1 Potential Contamination Types

NEPM (NEPC, 2013) identifies a Conceptual Site Model (CSM) as a representation of information regarding contamination sources, exposure pathways and the potential receptors. The essential elements of a CSM include:

- Known (and potential) contamination sources and contaminants of concern;
- Impacted media (e.g. soil, groundwater, surface water, soil vapour etc.);
- Human/ecological receptors; and
- Potential/complete exposure pathways.

The CSM developed for the site was based on previous environmental data and the soil analytical results reported in this investigation. This provided an understanding of the CoPC and their likely pathways. For the purposes of this report, the following qualitative risk assessment has been applied:

- Low Risk – the activities and related CoPC are likely to pose no or a low potential human health/environmental impact. Any impact is likely localised to a specific area of the site.
- Moderate Risk – the activities and related CoPC are likely to pose potential for moderate human health/environmental impact. Any impact is likely localised to a specific area of the Site.
- High Risk – the activities and related CoPC could pose a significant environmental impact. There is potential for impacts of the immediate local area of the Site or off-Site migration impacting surrounding human and/or environmental receptors.

10.2 Sources of Contamination and Contaminants of Potential Concern

The investigation identified 1 elevated concentration of contaminates in soil materials across the site. Sample TP27-fill-0.1 returned an exceedance of 4.68 mg/kg in relation to Benzene, however, did not exceed 2.5 times HSL-D criteria, therefore UCL95 was conducted using 10 samples collected from immediate surrounding area and within the same Lot (Lot 21 DP 255560) and returned an acceptable reading of 2.6 mg/kg, below the 3 mg/kg HSL-D criteria.

10.3 Model

Primary sources of contamination may include the following:

- On-site migration of unidentified contamination in adjacent lots/imported material in the event of excavation/movement of soil materials.
- Historical use of roadways for transport purposes.
- Topsoil impacted by petroleum hydrocarbons.
- Pesticides used throughout the site.

Receptors of the contamination include:

- Construction workers and intrusive site workers.
- Future owners/users of the site.

Potential exposure pathways from the contamination to the receptors include:

- Exposure of construction workers and personnel on-site to contaminated site soils is possible. The risk is assessed as low due to the ability to manage the work site and implement appropriate controls. ADE notes that none of the soil results reported in this investigation exceeded the adopted human health criteria (HSL-D).
- Exposure of the public to contaminated soils is unlikely. The site soil will be inaccessible to the public due to hardstand cover over most of the site.

11 Discussion

11.1 Soil Contamination

From the 164 samples that were collected from 152 test pit locations throughout the Site, the samples returned with concentrations of CoPCs below the adopted human health and ecological criteria.

ADE understands any remediation of soils within the site may result in increased potential for dust by disturbing those soils. Given that major excavation work is proposed during the construction phase and chemical concentrations were below tier 1 assessment levels, ADE is of the opinion that remediation of soils under the proposed industrial estate are not required.

It is noted that soil materials at depth (>2.0 m) were not assessed as part of this investigation.

ADE notes previous AEC's and associated CoPC's outlined in Douglas Partners (DP) Contamination Status Summary Report (DP, 2021) **Table 3**. As such, ADE wishes to revise said AEC's and associated COPC's due to sufficient sampling events and chemical analysis. See **Table 20** below.

Table 20. Revision of AEC's and associated CoPC's

AEC #	Potential Source and Assigned AEC	Revision	Requirement for Additional Data and/or Management
AEC 1	Market gardening activities (pesticides)	No OCP, OPP or metal exceedances were identified within ADE's chemical analysis.	AEC 2 remains open. Therefore, further intrusive investigation may be required to assess potential contamination impact to surface soils. (A further assessment of soils and groundwater may be necessary should significant contamination be identified in surface soils).
AEC 2	Building construction, degradation and demolition structures (hazardous building materials)	Must remain in place and revisited post demolition of dwellings and other detached structures.	
AEC 3	Chemical and fuel use/storage (potential chemical spills)	No TRH, BTEX, PAH, PCB, metals, OCP or OPP exceedances were identified within ADE's within soils collected from barns, sheds and greenhouses	
AEC 4	Stockpiles, fill and ground disturbances (unknown contamination status)	No TRH, BTEX, PAH, PCB, metals, OCP, OPP or asbestos exceedances were identified within ADE's chemical analysis.	
AEC 5	Presence of timber power poles	Sufficient sampling events conducted in the near vicinity of timber power poles revealed no elevation of TRH, BTEX, PAHs or metals within ADE's chemical analysis.	
AEC 6	Possible asbestos pipe	No asbestos was located in ADE's	

AEC #	Potential Source and Assigned AEC	Revision	Requirement for Additional Data and/or Management
	network	visual inspection or within any of the analysed 500 mL NEMP samples. No pipe work was intercepted.	
AEC 7	Refuse	No asbestos was located in ADE's visual inspection or within any of the analysed 500 mL NEMP samples.	

Douglas Partners (DP) had previously collected soil samples from 12 test pits from a grid formation with an additional six targeted test pits on areas of concern. Depths ranging from 0 – 0.2m, 0.2 – 0.5m. Sampling sites which were tested for TPH's, heavy metals, PAH's, phenols, BTEX, pesticides (OCP, OPP and PCB), and asbestos. All results for TRH, BTEX, OCP's, OPP's, PCB's and Phenols were detected at concentration not exceeding regulation levels. One sample exceeded Ecological and Health Screening and Investigation safe levels of PAH's (SS18 benzo(a)pyrene (BaP) TEQ at 61mg/kg). Heavy metal samples had two zinc samples with exceeding Ecological Screening and Investigation levels (SS15 at 2400mg/kg and SS20 at 780mg/kg) and one had exceeding ESLs/ EILs of arsenic (SS14 at 230mg/kg). Asbestos (chrysotile) was detected in two material samples (MAT-1 and MAT-3) with no soil samples coming back with contamination.

11.2 Surface water

Based on the scope of the investigation, no groundwater assessment was undertaken. Surface water was assessed and included within the report. Out of total of 9 surface water collected from various dams throughout the site, 5 samples showed exceedances of NEPM 2013 GILs criteria for Copper and Mercury exceeded the criteria in 6 samples. ADE was informed by the client that the existing dams' water will be managed through the dam dewatering strategy, within the Biodiversity management plan of the CEMP to ensure aquatic species are protected and the water is decommissioning safely and also not discharging to freshwater or surrounding watercourses.

11.3 Duty to Report Contamination

For the purposes of section 60(3)(b) of the CLM Act, notification of contamination in, or on, soil on the land is required where:

- The 95 % UCL on the average arithmetic concentration of a contaminant in or on soil is equal to or above the HIL and/or HSL for that contaminant for the current or approved use of the respective on-site land, as specified in Section 6, Schedule B1 of the NEPM (2013); or
- The concentration of a contaminant in an individual soil sample is equal to or more than 250% of the HIL and/or HSL for that contaminant for the current or approved use of the respective on-site land, as specified in Section 6, Schedule B1 of the NEPM (NEPC, 2013) ;and
- A person has been or foreseeably will be exposed to the contaminant or a by-product of the contaminant.

Based on the results of this investigation, ADE considers there is no duty to report contamination.

12 Conclusions and Recommendations

Based on the data and evidence collected from the Stage I DSI, the following conclusions can be made:

12.1 Soil and Surface Water Assessment

- At the time of the investigation undertaken during the periods of 15 December 2021 to 14 January 2022 and 8, 28 November 2022 soil materials primarily consist of natural topsoil and medium clays. Some organic material and fine gravels were observed throughout the soil matrix.
- All field PID readings returned negligible concentrations in between 0.0 - 0.2 ppm.
- Of the 162 primary soil samples analysed, no exceedances were recorded against any of the adopted human or ecological health SAC.
- No asbestos was observed within any of the 10L samples screened on site or detected within any of the 34 500 mL soil samples analysed.
- Sample TP27-fill-0.1 returned an exceedance of HSL-D criteria for Benzene at 4.68 mg/kg , therefore a UCL95 statistical analysis was conducted using samples collected within the immediate surroundings of TP27 in the same strata and returned an acceptable result of 2.6 mg/kg, which is below the 3 mg/kg HSL-D criteria.
- According to Douglas and Partners (2019), sample SS14 fill (0-0.1m) showed an exceedance of Arsenic comparing to EILs D criteria, a UCL95 was conducted using samples collected within the immediate surroundings of SS14 in the same Lot and returned an acceptable reading of 130mg/kg, which is below the 160 mg/kg EIL-D criteria.
- Asbestos containing material (ACM) was reported and collected as isolated fragments at a few locations on the site (Douglas Partners 2019).
- Based on the results of the soil assessment, and proposed development comprising of hardstand over the majority of the site, ADE considers that groundwater is not likely to be affected by on-site soils and the proposed development. Should development plans change, or should groundwater be encountered during the construction works, further assessment may be required. ADE noted that certain areas were inaccessible due to market gardens and small-large greenhouses within lots 20, 22, 30 and 32, tall grass and dense vegetation throughout. As such, an adaptive sampling strategy was implemented by the by the on-site consultant which involved targeted sampling in safe and accessible areas. ADE revisited the site and collected additional samples from inaccessible sampling points in November 2022. Based on the analytical results of the additional samples collected, no exceedances were found when compared to HILs D and HSL D site criteria, no ACM fragment was found during this investigation.
- Surface water samples were collected form the existing dams in November 2022. Based on the laboratory analytical results, samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW6, DSI3.SW7, DSI3.SW8) showed exceedance of copper concentration (NEPM 2013 GILs) fresh water 95% species protection and samples 21.1994 (DSI3.SW3, DSI3.SW4, DSI3.SW6, DSI3.SW6, DSI3.SW7, DSI.SW8, DSI3.SW9) showed exceedance of Mercury concentration. ADE was informed by the client that the existing dam water will be managed through the dam dewatering strategy, within the Biodiversity management plan of the CEMP to ensure aquatic species are protected, the surface water is removed safely and also not discharged to surrounding watercourses.
- Given that major excavation work is proposed during the construction phase and chemical concentrations were below tier 1 assessment levels, ADE is of the opinion that remediation of soils under the proposed industrial estate are not required.

12.2 Recommendations

ADE considers that the site is suitable for the proposed use, subject to the following:

- Any asbestos finds within the site should be managed under an unexpected finds protocol.
- Any soils and other waste noted on site requiring removal from the site, as part of future site works, should be classified in accordance with the "Waste Classification Guidelines, Part 1: Classifying Waste" NSW EPA (2014).

13 Limitations and Disclaimer

This report has been prepared for the exclusive use of the client and is limited to the scope of the work agreed in the terms and conditions of contract (including assumptions, limitations and qualifications, circumstances, and constraints). ADE has relied upon the accuracy of information and data provided to it by the client and others.

ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendixes and attachments. The report is an integral document and must be read in its entirety.

To the fullest extent permitted by law, ADE does not accept or assume responsibility to any third party (other than the client) for the investigative work, the report or the opinions given.

The scope of work conducted, and report herein may not meet the specific needs (of which ADE is not aware) of third parties. ADE cannot be held liable for third party reliance on this document. Any third party who relies upon this report does so at its own risk.

The subsurface environment can present substantial uncertainty due to it complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

The material subject to classification pertains only to the site and subject area outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

ADE does not verify the accuracy or completeness of, or adopt as its own, the information or data supplied by others and excludes all liability with respect to such information and data. To the extent that conditions differ from assumptions set out in the report, and to the extent that information provided to ADE is inaccurate or incomplete or has changed since it was provided to ADE, the opinions expressed in this report may not be valid and should be reviewed.

ADE's professional opinions are based upon its professional judgement, experience, training, and results from analytical data. In some cases, further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited its investigation to the scope agreed upon with its client.

This Limitation and Disclaimer must accompany every copy of this report.

14 References

- Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds
- Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Volatiles substances
- Department of Land and Water Conservation (DWLC). (2002). *Site Investigations for Urban Salinity*. Sydney NSW.
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- Department of Environment and Conservation (DEC). (2017). *Guidelines for the NSW Site Auditor Scheme*, 3rd Edition
- Guidance for the Data Quality Objectives Process (EPA QA/G-4)
- Guidance on Quality Assurance Project Plans (EPA QA/G-5)
- Guidance for the Preparation of Standard Operating Procedures for Quality-Related Documents (EPA QA/G-6)
- Guidance for Data Quality Assessment: Practical Methods for Data Analysis (EPA QA/G-9)
- Guidance on Data Quality Indicators, EPA QA/G-5I
- Guidelines on the Duty to Report Contamination under the Contaminated Management Act 1997
- National Environmental Protection (Assessment of Site Contamination) Measure 1999, 2013 Amendment
- NSW EPA Requirements for Quality Assurance Project Plans (EPA QA/R-5)
- NSW EPA Sampling Design Guidelines (1995)
- NSW EPA. (2000). Contaminated Sites: Guidelines for Consultants Reporting
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- NSW EPA. (2014). Waste Classification Guidelines Part 1: Classifying Waste. NSW EPA, November 2014.
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- NSW EPA. (2017) Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme 3rd Ed.
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- NSW Safework Australia Code of Practice - How to Safely Remove Asbestos, 2019
- Standards Australia. (2004). Australian Standard AS4964-2004: Method for the qualitative identification of asbestos in bulk samples. Sydney, NSW.
- The Heads of EPAs Australia and New Zealand [HEPA]. (2020). PFAS National Environmental Management Plan Version 2.0, dated January 2020 (HEPA, 2020).
- Western Australia Department of Health (WA DoH). (2009) Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia, dated May 2009.
- Workcover NSW Storage and Handling of Dangerous Goods (2005)
- Work Health and Safety Act 2011
- Work Health and Safety Regulation 2017

APPENDIX A - FIGURES

LEGEND

- SUBJECT AREA
- 1 TEST PIT LOCATION (DOUGLAS PARTNERS, 2019)
- 1 SURFACE SAMPLE LOCATION (DOUGLAS PARTNERS, 2019)

NOTE:
ALL LOCATIONS ARE APPROXIMATE
DIMENSIONS IN METRES.

AERIAL IMAGE SOURCE: MAPS.AU.NEARMAP.COM, 17 DEC 2021.

revision	no.	description	drawn	approved	date
	A	FIRST ISSUE	MC	HN	19/01/22

0 55 110 165 220 275
SCALE 1:5500 @A3 METRES

drawn	MC
approved	HN
date	19/01/2022
scale	AS SHOWN
original size	A3

client: FIFE CAPITAL

project: DETAILED SITE INVESTIGATION
LOT 20-32 ALDINGTON ROAD
KEMPS CREEK, NSW

title: PREVIOUS SAMPLE LOCATION

project no: 21.1994_DSI | figure no: FIGURE 2 | rev: A

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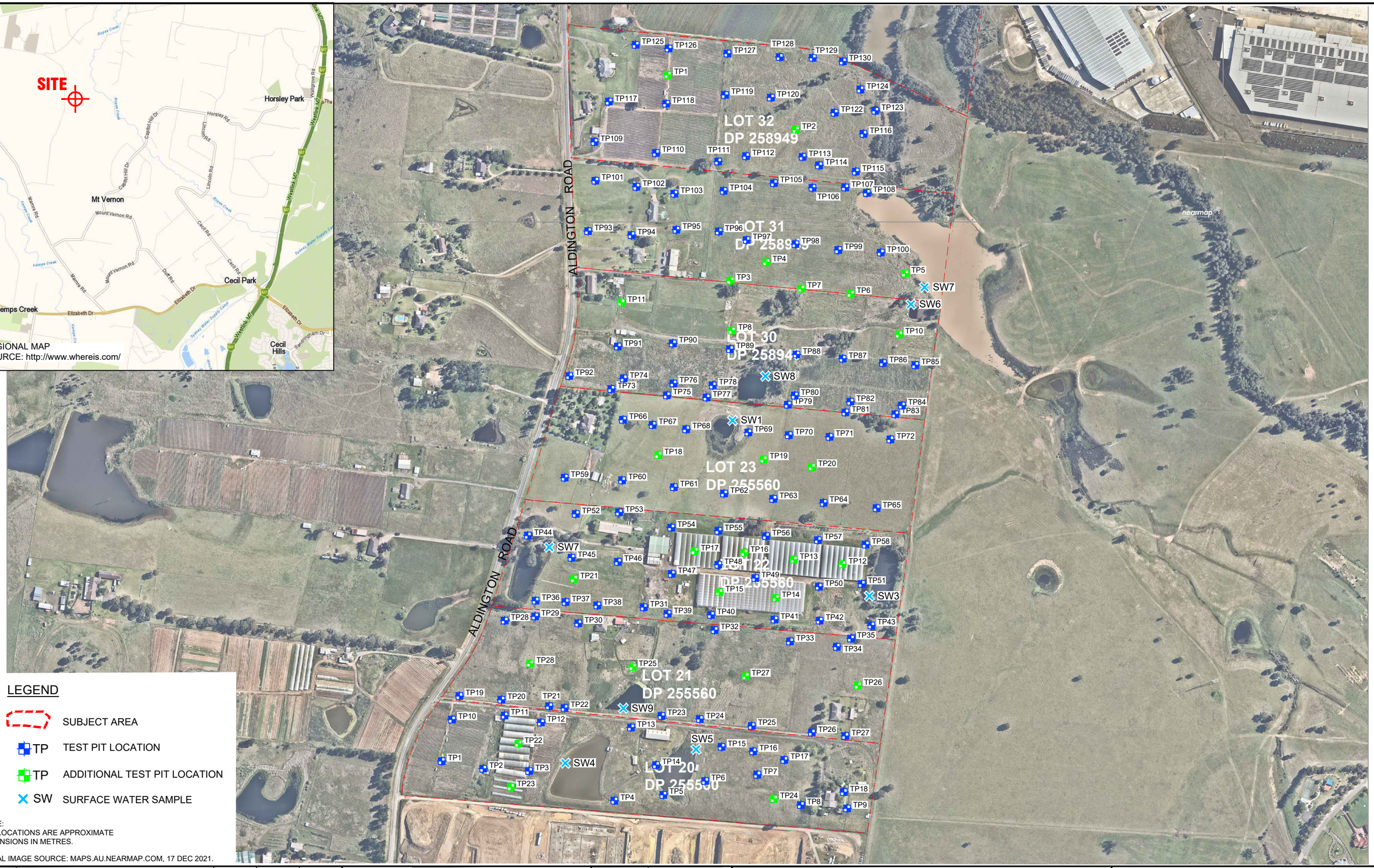
PLOT DATE: 10/02/2022 16:28:24 DWG FILE: W:_NEW DELTEK PROJECTS ENV\21.1994 FIFE CAPITAL DSI (KEMPS CREEK) HN_6 WORKING DOCUMENTS_4 CAD (MC)\21.1994_DSI_1.DWG

REGIONAL MAP
SOURCE: http://www.whereis.com/



LEGEND

- SUBJECT AREA
- TP — TEST PIT LOCATION
- TP — ADDITIONAL TEST PIT LOCATION
- SW — SURFACE WATER SAMPLE

NOTE:
ALL LOCATIONS ARE APPROXIMATE
DIMENSIONS IN METRES.

AERIAL IMAGE SOURCE: MAPS.AU.NEARMAP.COM, 17 DEC 2021.

revision	no.	description	drawn	approved	date
	A	FIRST ISSUE	MC	HN	19/01/22
	B	ADDITIONAL SAMPLES	MC	LL	15/12/22

0 55 110 165 220 275
SCALE 1:5500 @A3 METRES

drawn	MC
approved	LL
date	15/12/2022
scale	AS SHOWN
original size	A3

client: FIFE CAPITAL

project: DETAILED SITE INVESTIGATION
LOT 20-32 ALDINGTON ROAD
KEMPS CREEK, NSW

title: ADDITIONAL SAMPLE LOCATION

project no: 21.1994_DSI | figure no: FIGURE 1 | rev: A

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PLOT DATE: 15/12/2022 3:38:13 PM DWG FILE: W:_NSW ENV\101021.1994 FIFE CAPITAL DSI KEMPS CREEK\6 WORKING DOCUMENTS\4 CAD (MC)\21.1994_DSI_REVB.DWG

APPENDIX B – ANALYTICAL RESULTS TABLE

		NA	BTEX							TRH										
		2-Methyl-4,6-dinitrophenol	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	1	0.5	1	1	35	35	50	100	100	50	0.1	0.1	0.1	0.05	0.05
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay			4 | 6 | 9 | 20								310 | 480									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand			3 | 3 | 3 | 3					230			260 | 370 | 630									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt			4 | 4 | 6 | 10								250 | 360 | 590									
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil			75	135	165			180			215	170	1,700	3,300						
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
21.1994.BR2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
21.1994.TP47-BR	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP01FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP02FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP03FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP03NAT_0.3-1.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP04FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP05FILL_0.0-0.5	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP05NAT_0.5-1.8	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP06FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP07FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP10FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP10FILL_0.2-0.7	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP10NAT_0.7-1.0	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP11FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP12FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP19FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP19FILL_0.0-0.3_BR	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP20FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP21FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP22FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP23-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP23-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP23-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP24-fill-0.1	**21/12/2021**	<2	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	<35	<35	<50	<100	<100	<50	<0.1	<0.1	<0.1	<0.05	<0.05
TP24-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP25-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP25-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP26-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP26-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP27-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP27-fill-0.1	**21/12/2021**		4.68	5.13	5.1	8.5	5.1	13.6	28.51	70	41	<50	<100	<100	<50					
TP27-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP28FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP29FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP30FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP31FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP32FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP33FILL_0.0-0.2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP34FILL_0.0-0.3	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP34NAT_0.3-1.0	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP35-Fill-0.1	**1/02/2022**		<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50					
TP36-BR3-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP36-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP36-natural-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP37-fill-0.3	**21/12/2021**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP37-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP38-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP39-BR1-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP39-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP39-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP40-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					

		NA	BTEX							TRH										
		2-Methyl-4,6-dinitrophenol	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP41-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP42-fill-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP43-fill-0.2	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP43-fill-0.2	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP43-natural-0.3	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP44-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP44-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP45-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP46-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP46-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP47-fill-0.1	**21/12/2021**	<2	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	<35	<35	<50	<100	<100	<50	<0.1	<0.1	<0.1	<0.05	<0.05
TP47-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP48-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP48-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP49-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP49-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP50-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP50-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP50-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP51-fill-0.9	**20/12/2021**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP51-natural-1.0	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP52-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP52-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP52-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP53-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP54-BR2-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP54-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP54-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP54-fill-0.2	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP55-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP56-fill-0.4	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP56-fill-0.4	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP56-natural-0.5	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP57-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP57-natural-0.2	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP58-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP58-fill-0.1	**20/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP59-fill-0.1	**21/12/2021**	<2	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	<35	<35	<50	<100	<100	<50	<0.1	<0.1	<0.1	<0.05	<0.05
TP59-natural-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP60-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP60-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP61-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP61-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP62-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP62-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP62-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP63-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP64-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP64-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP64-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP65-fill-0.1	**21/12/2021**	<2	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	<35	<35	<50	<100	<100	<50	<0.1	<0.1	<0.1	<0.05	<0.05
TP65-natural-0.25	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP66-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP66-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP67-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP67-natural-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP68-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP68-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP68-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP69-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP70-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					

		NA	BTEX							TRH										
		2-Methyl-4,6-dinitrophenol	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP70-natural-0.4	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP71-fill-0.1	**21/12/2021**	<2	<0.5	<0.5	<0.5	<1	<0.5	<1	<1	<35	<35	<50	<100	<100	<50	<0.1	<0.1	<0.1	<0.05	<0.05
TP71-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP72-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP72-fill-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP73-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP73-natural-0.2	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP74-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP74-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP74-natural-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP75-fill-0.1	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP75-natural-0.3	**21/12/2021**		<0.5	<0.5	<1	<2	<1	<2	<2	<35	<35	<50	<100	<100	<50					
TP76-BR1	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP76-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP76-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP77-fill-0.5	**21/12/2021**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP77-natural-0.6	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP78-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP78-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP79-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP79-natural-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP80-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP80-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP80-natural-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP81-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP82-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP82-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP82-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP83-fill-0.3	**21/12/2021**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP83-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP84-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP84-fill-0.2	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP85-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP85-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP86-BR2-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP86-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP86-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP86-natural-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP87-fill-0.3	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP92-fill-0.4	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP92-fill-0.4	**21/12/2021**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP92-natural-0.5	**21/12/2021**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP97-BR	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP97-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP97-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP98-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP98-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP99-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP100-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP100-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP100-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP105-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP106-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP106-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP106-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP107-fill	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP107-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP108-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP108-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP110-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP110-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					

		NA	BTEX							TRH										
		2-Methyl-4,6-dinitrophenol	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	C6-C10 Fraction (F1)	C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP112-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP112-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP112-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP113-fill	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP113-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP114-BR2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP114-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP114-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP115-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP115-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP116-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP116-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP116-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP117-BR2	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP117-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP118-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP118-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP119-BR	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP119-fill	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP119-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP120-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP122-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP122-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP123-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP124-fill	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP124-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP125-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP126-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP126-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP127-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP127-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP128-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP129-fill	**21/01/2022**	<2.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<35	<35	<50	<100	<100	<50	<0.10	<0.10	<0.10	<0.050	<0.050
TP129-nat	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					
TP130-fill	**21/01/2022**		<0.50	<0.50	<1.0	<2.0	<1.0	<2.0	<2.00	<35	<35	<50	<100	<100	<50					

Statistics

Number of Results	**16**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**16**	**16**	**16**	**16**	**16**
Number of Detects	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<2**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<0.5**	**<1**	**<1**	**<35**	**<35**	**<50**	**<100**	**<100**	**<50**	**<0.1**	**<0.1**	**<0.1**	**<0.05**	**<0.05**
Minimum Detect	**ND**	**4.68**	**5.13**	**5.1**	**8.5**	**5.1**	**13.6**	**28.51**	**70**	**41**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<2**	**4.68**	**5.13**	**5.1**	**8.5**	**5.1**	**13.6**	**28.51**	**70**	**41**	**<50**	**<100**	**<100**	**<50**	**<0.1**	**<0.1**	**<0.1**	**<0.05**	**<0.05**
Maximum Detect	**ND**	**4.68**	**5.13**	**5.1**	**8.5**	**5.1**	**13.6**	**28.51**	**70**	**41**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**1**	**0.27**	**0.27**	**0.5**	**1**	**0.5**	**1**	**1.1**	**18**	**18**	**25**	**50**	**50**	**25**	**0.05**	**0.05**	**0.05**	**0.025**	**0.025**
Median Concentration *	**1**	**0.25**	**0.25**	**0.5**	**1**	**0.5**	**1**	**1**	**17.5**	**17.5**	**25**	**50**	**50**	**25**	**0.05**	**0.05**	**0.05**	**0.025**	**0.025**
Standard Deviation *	**0**	**0.3**	**0.33**	**0.32**	**0.53**	**0.32**	**0.88**	**1.9**	**3.6**	**1.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**1**	**0.305**	**0.311**	**0.538**	**1.056**	**0.538**	**1.118**	**1.303**	**18.15**	**17.79**	**25**	**50**	**50**	**25**	**0.05**	**0.05**	**0.05**	**0.025**	**0.025**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Phenols																		
		2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Phenols	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.05	0.2	4	0.05	0.1	0.2	0.2	5	0.2	4	0.4	0.2	0.2	0.05	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil												25,000	660	240,000						
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**																			
21.1994.BR2	**21/12/2021**																			
21.1994.TP47-BR	**21/12/2021**																			
TP01FILL_0.0-0.3	**21/01/2022**																			
TP02FILL_0.0-0.2	**21/01/2022**																			
TP03FILL_0.0-0.3	**21/01/2022**																			
TP03NAT_0.3-1.3	**21/01/2022**																			
TP04FILL_0.0-0.2	**21/01/2022**																			
TP05FILL_0.0-0.5	**21/01/2022**																			
TP05NAT_0.5-1.8	**21/01/2022**																			
TP06FILL_0.0-0.2	**21/01/2022**																			
TP07FILL_0.0-0.2	**21/01/2022**																			
TP10FILL_0.0-0.2	**21/01/2022**																			
TP10FILL_0.2-0.7	**21/01/2022**																			
TP10NAT_0.7-1.0	**21/01/2022**																			
TP11FILL_0.0-0.3	**21/01/2022**																			
TP12FILL_0.0-0.3	**21/01/2022**																			
TP19FILL_0.0-0.3	**21/01/2022**																			
TP19FILL_0.0-0.3_BR	**21/01/2022**																			
TP20FILL_0.0-0.3	**21/01/2022**																			
TP21FILL_0.0-0.2	**21/01/2022**																			
TP22FILL_0.0-0.2	**21/01/2022**																			
TP23-fill-0.1	**21/12/2021**																			
TP23-fill-0.1	**21/12/2021**																			
TP23-natural-0.4	**21/12/2021**																			
TP24-fill-0.1	**21/12/2021**	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2	<4	<0.4	<0.2	<0.2		<0.5	<0.5	<0.5	<0.5	<0.5
TP24-natural-0.4	**21/12/2021**																			
TP25-fill-0.1	**21/12/2021**																			
TP25-fill-0.1	**21/12/2021**																			
TP26-fill-0.1	**21/12/2021**																			
TP26-natural-0.4	**21/12/2021**																			
TP27-fill-0.1	**21/12/2021**																			
TP27-fill-0.1	**21/12/2021**																			
TP27-natural-0.4	**21/12/2021**																			
TP28FILL_0.0-0.3	**21/01/2022**																			
TP29FILL_0.0-0.3	**21/01/2022**																			
TP30FILL_0.0-0.2	**21/01/2022**																			
TP31FILL_0.0-0.3	**21/01/2022**																			
TP32FILL_0.0-0.3	**21/01/2022**																			
TP33FILL_0.0-0.2	**21/01/2022**																			
TP34FILL_0.0-0.3	**21/01/2022**																			
TP34NAT_0.3-1.0	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP35-Fill-0.1	**1/02/2022**															<0.50	<0.50	<0.50	<0.50	<0.50
TP36-BR3-0.2	**21/12/2021**																			
TP36-fill-0.2	**21/12/2021**																			
TP36-natural-0.3	**21/12/2021**																			
TP37-fill-0.3	**21/12/2021**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP37-natural-0.4	**21/12/2021**																			
TP38-fill-0.3	**21/12/2021**																			
TP39-BR1-0.5	**20/12/2021**																			
TP39-fill-0.5	**20/12/2021**																			
TP39-fill-0.5	**20/12/2021**																			
TP40-fill-0.5	**20/12/2021**																			

		Phenols																		
		2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Phenols	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	20/12/2021																			
TP41-fill-0.5	20/12/2021																			
TP42-fill-0.5	20/12/2021																			
TP43-fill-0.2	20/12/2021																			
TP43-fill-0.2	20/12/2021																			
TP43-natural-0.3	20/12/2021																			
TP44-fill-0.3	21/12/2021																			
TP44-natural-0.4	21/12/2021																			
TP45-fill-0.3	21/12/2021																			
TP46-fill-0.3	21/12/2021																			
TP46-natural-0.4	21/12/2021																			
TP47-fill-0.1	21/12/2021	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2	<4	<0.4	<0.2	<0.2		<0.5	<0.5	<0.5	<0.5	<0.5
TP47-natural-0.3	21/12/2021																			
TP48-fill-0.1	21/12/2021																			
TP48-natural-0.3	21/12/2021																			
TP49-fill-0.1	21/12/2021																			
TP49-fill-0.1	21/12/2021																			
TP50-fill-0.2	21/12/2021																			
TP50-fill-0.2	21/12/2021																			
TP50-natural-0.4	21/12/2021																			
TP51-fill-0.9	20/12/2021	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20	<0.050	<0.50	<0.50	<0.50	<0.50	<0.50
TP51-natural-1.0	20/12/2021																			
TP52-fill-0.3	21/12/2021																			
TP52-fill-0.3	21/12/2021																			
TP52-natural-0.4	21/12/2021																			
TP53-fill-0.1	21/12/2021																			
TP54-BR2-0.1	20/12/2021																			
TP54-fill-0.1	20/12/2021																			
TP54-fill-0.1	20/12/2021																			
TP54-fill-0.2	20/12/2021																			
TP55-fill-0.1	20/12/2021																			
TP56-fill-0.4	20/12/2021																			
TP56-fill-0.4	20/12/2021																			
TP56-natural-0.5	20/12/2021																			
TP57-fill-0.1	20/12/2021																			
TP57-natural-0.2	20/12/2021																			
TP58-fill-0.1	20/12/2021																			
TP58-fill-0.1	20/12/2021																			
TP59-fill-0.1	21/12/2021	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2	<4	<0.4	<0.2	<0.2		<0.5	<0.5	<0.5	<0.5	<0.5
TP59-natural-0.2	21/12/2021																			
TP60-fill-0.1	21/12/2021																			
TP60-fill-0.1	21/12/2021																			
TP61-fill-0.2	21/12/2021																			
TP61-natural-0.3	21/12/2021																			
TP62-fill-0.2	21/12/2021																			
TP62-fill-0.2	21/12/2021																			
TP62-natural-0.3	21/12/2021																			
TP63-fill-0.1	21/12/2021																			
TP64-fill-0.2	21/12/2021																			
TP64-fill-0.2	21/12/2021																			
TP64-natural-0.3	21/12/2021																			
TP65-fill-0.1	21/12/2021	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2	<4	<0.4	<0.2	<0.2		<0.5	<0.5	<0.5	<0.5	<0.5
TP65-natural-0.25	21/12/2021																			
TP66-fill-0.1	21/12/2021																			
TP66-fill-0.1	21/12/2021																			
TP67-fill-0.1	21/12/2021																			
TP67-natural-0.2	21/12/2021																			
TP68-fill-0.1	21/12/2021																			
TP68-fill-0.1	21/12/2021																			
TP68-natural-0.3	21/12/2021																			
TP69-fill-0.1	21/12/2021																			
TP70-fill-0.2	21/12/2021																			

		Phenols																		
		2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Phenols	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**																			
TP70-natural-0.4	**21/12/2021**																			
TP71-fill-0.1	**21/12/2021**	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2	<4	<0.4	<0.2	<0.2		<0.5	<0.5	<0.5	<0.5	<0.5
TP71-natural-0.3	**21/12/2021**																			
TP72-fill-0.2	**21/12/2021**																			
TP72-fill-0.2	**21/12/2021**																			
TP73-fill-0.1	**21/12/2021**																			
TP73-natural-0.2	**21/12/2021**																			
TP74-fill-0.1	**21/12/2021**																			
TP74-fill-0.1	**21/12/2021**																			
TP74-natural-0.1	**21/12/2021**																			
TP75-fill-0.1	**21/12/2021**																			
TP75-natural-0.3	**21/12/2021**																			
TP76-BR1	**21/12/2021**																			
TP76-fill-0.3	**21/12/2021**																			
TP76-fill-0.3	**21/12/2021**																			
TP77-fill-0.5	**21/12/2021**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP77-natural-0.6	**21/12/2021**																			
TP78-fill-0.3	**21/12/2021**																			
TP78-fill-0.3	**21/12/2021**																			
TP79-fill-0.2	**21/12/2021**																			
TP79-natural-0.3	**21/12/2021**																			
TP80-fill-0.2	**21/12/2021**																			
TP80-fill-0.2	**21/12/2021**																			
TP80-natural-0.3	**21/12/2021**																			
TP81-fill-0.2	**21/12/2021**																			
TP82-fill-0.2	**21/12/2021**																			
TP82-fill-0.2	**21/12/2021**																			
TP82-fill-0.3	**21/12/2021**																			
TP83-fill-0.3	**21/12/2021**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP83-natural-0.4	**21/12/2021**																			
TP84-fill-0.2	**21/12/2021**																			
TP84-fill-0.2	**21/12/2021**																			
TP85-fill-0.3	**21/12/2021**																			
TP85-natural-0.4	**21/12/2021**																			
TP86-BR2-0.3	**21/12/2021**																			
TP86-fill-0.3	**21/12/2021**																			
TP86-fill-0.3	**21/12/2021**																			
TP86-natural-0.4	**21/12/2021**																			
TP87-fill-0.3	**21/12/2021**																			
TP92-fill-0.4	**21/12/2021**																			
TP92-fill-0.4	**21/12/2021**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP92-natural-0.5	**21/12/2021**																			
TP97-BR	**21/01/2022**																			
TP97-fill	**21/01/2022**																			
TP97-nat	**21/01/2022**																			
TP98-fill	**21/01/2022**																			
TP98-nat	**21/01/2022**																			
TP99-fill	**21/01/2022**																			
TP100-fill	**21/01/2022**																			
TP100-fill	**21/01/2022**																			
TP100-nat	**21/01/2022**																			
TP105-fill	**21/01/2022**																			
TP106-fill	**21/01/2022**																			
TP106-fill	**21/01/2022**																			
TP106-nat	**21/01/2022**																			
TP107-fill	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP107-nat	**21/01/2022**																			
TP108-fill	**21/01/2022**																			
TP108-fill	**21/01/2022**																			
TP110-fill	**21/01/2022**																			
TP110-nat	**21/01/2022**																			

		Phenols																		
		2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Phenols	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**																			
TP112-fill	**21/01/2022**																			
TP112-fill	**21/01/2022**																			
TP112-nat	**21/01/2022**																			
TP113-fill	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP113-nat	**21/01/2022**																			
TP114-BR2	**21/01/2022**																			
TP114-fill	**21/01/2022**																			
TP114-fill	**21/01/2022**																			
TP115-fill	**21/01/2022**																			
TP115-nat	**21/01/2022**																			
TP116-fill	**21/01/2022**																			
TP116-fill	**21/01/2022**																			
TP116-nat	**21/01/2022**																			
TP117-BR2	**21/01/2022**																			
TP117-fill	**21/01/2022**																			
TP118-fill	**21/01/2022**																			
TP118-nat	**21/01/2022**																			
TP119-BR	**21/01/2022**																			
TP119-fill	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP119-nat	**21/01/2022**																			
TP120-fill	**21/01/2022**																			
TP122-fill	**21/01/2022**																			
TP122-nat	**21/01/2022**																			
TP123-fill	**21/01/2022**																			
TP124-fill	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP124-nat	**21/01/2022**																			
TP125-fill	**21/01/2022**																			
TP126-fill	**21/01/2022**																			
TP126-nat	**21/01/2022**																			
TP127-fill	**21/01/2022**																			
TP127-nat	**21/01/2022**																			
TP128-fill	**21/01/2022**																			
TP129-fill	**21/01/2022**	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20	<4.0	<0.40	<0.20	<0.20		<0.50	<0.50	<0.50	<0.50	<0.50
TP129-nat	**21/01/2022**																			
TP130-fill	**21/01/2022**																			

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**1**	**17**	**17**	**17**	**17**	**17**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.05**	**<0.2**	**<4**	**<0.05**	**<0.1**	**<0.2**	**<0.2**	**<5**	**<0.2**	**<4**	**<0.4**	**<0.2**	**<0.2**	**<0.05**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<0.05**	**<0.2**	**<4**	**<0.05**	**<0.1**	**<0.2**	**<0.2**	**<5**	**<0.2**	**<4**	**<0.4**	**<0.2**	**<0.2**	**<0.05**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.025**	**0.1**	**2**	**0.025**	**0.05**	**0.1**	**0.1**	**2.5**	**0.1**	**2**	**0.2**	**0.1**	**0.1**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Median Concentration *	**0.025**	**0.1**	**2**	**0.025**	**0.05**	**0.1**	**0.1**	**2.5**	**0.1**	**2**	**0.2**	**0.1**	**0.1**	**0.025**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.025**	**0.1**	**2**	**0.025**	**0.05**	**0.1**	**0.1**	**2.5**	**0.1**	**2**	**0.2**	**0.1**	**0.1**		**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

	Chlorinated Hydrocarbons													Halogenated Benzenes					Herbicides
	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																			
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																			
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																		80	
Field ID	**Date**																		
21.1994.BR1	**21/12/2021**																	<0.1	
21.1994.BR2	**21/12/2021**																	<0.1	
21.1994.TP47-BR	**21/12/2021**																	<0.1	
TP01FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP02FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP03FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP03NAT_0.3-1.3	**21/01/2022**																	<0.10	
TP04FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP05FILL_0.0-0.5	**21/01/2022**																	<0.10	
TP05NAT_0.5-1.8	**21/01/2022**																	<0.10	
TP06FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP07FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP10FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP10FILL_0.2-0.7	**21/01/2022**																	<0.10	
TP10NAT_0.7-1.0	**21/01/2022**																	<0.10	
TP11FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP12FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP19FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP19FILL_0.0-0.3_BR	**21/01/2022**																	<0.10	
TP20FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP21FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP22FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP23-fill-0.1	**21/12/2021**																	<0.1	
TP23-fill-0.1	**21/12/2021**																	<0.1	
TP23-natural-0.4	**21/12/2021**																	<0.1	
TP24-fill-0.1	**21/12/2021**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<5
TP24-natural-0.4	**21/12/2021**																	<0.1	
TP25-fill-0.1	**21/12/2021**																	<0.1	
TP25-fill-0.1	**21/12/2021**																	<0.1	
TP26-fill-0.1	**21/12/2021**																	<0.1	
TP26-natural-0.4	**21/12/2021**																	<0.1	
TP27-fill-0.1	**21/12/2021**																	<0.1	
TP27-fill-0.1	**21/12/2021**																	<0.1	
TP27-natural-0.4	**21/12/2021**																	<0.1	
TP28FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP29FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP30FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP31FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP32FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP33FILL_0.0-0.2	**21/01/2022**																	<0.10	
TP34FILL_0.0-0.3	**21/01/2022**																	<0.10	
TP34NAT_0.3-1.0	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP35-Fill-0.1	**1/02/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	
TP36-BR3-0.2	**21/12/2021**																	<0.10	
TP36-fill-0.2	**21/12/2021**																	<0.10	
TP36-natural-0.3	**21/12/2021**																	<0.10	
TP37-fill-0.3	**21/12/2021**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP37-natural-0.4	**21/12/2021**																	<0.10	
TP38-fill-0.3	**21/12/2021**																	<0.10	
TP39-BR1-0.5	**20/12/2021**																	<0.10	
TP39-fill-0.5	**20/12/2021**																	<0.10	
TP39-fill-0.5	**20/12/2021**																	<0.10	
TP40-fill-0.5	**20/12/2021**																	<0.10	

		Chlorinated Hydrocarbons													Halogenated Benzenes					Herbicides
		1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	20/12/2021																		<0.10	
TP41-fill-0.5	20/12/2021																		<0.10	
TP42-fill-0.5	20/12/2021																		<0.10	
TP43-fill-0.2	20/12/2021																		<0.10	
TP43-fill-0.2	20/12/2021																		<0.10	
TP43-natural-0.3	20/12/2021																		<0.10	
TP44-fill-0.3	21/12/2021																		<0.10	
TP44-natural-0.4	21/12/2021																		<0.10	
TP45-fill-0.3	21/12/2021																		<0.10	
TP46-fill-0.3	21/12/2021																		<0.10	
TP46-natural-0.4	21/12/2021																		<0.10	
TP47-fill-0.1	21/12/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<5
TP47-natural-0.3	21/12/2021																		<0.1	
TP48-fill-0.1	21/12/2021																		<0.1	
TP48-natural-0.3	21/12/2021																		<0.1	
TP49-fill-0.1	21/12/2021																		<0.1	
TP49-fill-0.1	21/12/2021																		<0.1	
TP50-fill-0.2	21/12/2021																		<0.1	
TP50-fill-0.2	21/12/2021																		<0.1	
TP50-natural-0.4	21/12/2021																		<0.1	
TP51-fill-0.9	20/12/2021	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP51-natural-1.0	20/12/2021																		<0.10	
TP52-fill-0.3	21/12/2021																		<0.10	
TP52-fill-0.3	21/12/2021																		<0.10	
TP52-natural-0.4	21/12/2021																		<0.10	
TP53-fill-0.1	21/12/2021																		<0.1	
TP54-BR2-0.1	20/12/2021																		<0.10	
TP54-fill-0.1	20/12/2021																		<0.10	
TP54-fill-0.1	20/12/2021																		<0.10	
TP54-fill-0.2	20/12/2021																		<0.10	
TP55-fill-0.1	20/12/2021																		<0.10	
TP56-fill-0.4	20/12/2021																		<0.10	
TP56-fill-0.4	20/12/2021																		<0.10	
TP56-natural-0.5	20/12/2021																		<0.10	
TP57-fill-0.1	20/12/2021																		<0.10	
TP57-natural-0.2	20/12/2021																		<0.10	
TP58-fill-0.1	20/12/2021																		<0.10	
TP58-fill-0.1	20/12/2021																		<0.10	
TP59-fill-0.1	21/12/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<5
TP59-natural-0.2	21/12/2021																		<0.1	
TP60-fill-0.1	21/12/2021																		<0.1	
TP60-fill-0.1	21/12/2021																		<0.1	
TP61-fill-0.2	21/12/2021																		<0.1	
TP61-natural-0.3	21/12/2021																		<0.1	
TP62-fill-0.2	21/12/2021																		<0.1	
TP62-fill-0.2	21/12/2021																		<0.1	
TP62-natural-0.3	21/12/2021																		<0.1	
TP63-fill-0.1	21/12/2021																		<0.1	
TP64-fill-0.2	21/12/2021																		<0.1	
TP64-fill-0.2	21/12/2021																		<0.1	
TP64-natural-0.3	21/12/2021																		<0.1	
TP65-fill-0.1	21/12/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<5
TP65-natural-0.25	21/12/2021																		<0.1	
TP66-fill-0.1	21/12/2021																		<0.1	
TP66-fill-0.1	21/12/2021																		<0.1	
TP67-fill-0.1	21/12/2021																		<0.1	
TP67-natural-0.2	21/12/2021																		<0.1	
TP68-fill-0.1	21/12/2021																		<0.1	
TP68-fill-0.1	21/12/2021																		<0.1	
TP68-natural-0.3	21/12/2021																		<0.1	
TP69-fill-0.1	21/12/2021																		<0.1	
TP70-fill-0.2	21/12/2021																		<0.1	

		Chlorinated Hydrocarbons													Halogenated Benzenes					Herbicides
		1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**																		<0.1	
TP70-natural-0.4	**21/12/2021**																		<0.1	
TP71-fill-0.1	**21/12/2021**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<5
TP71-natural-0.3	**21/12/2021**																		<0.1	
TP72-fill-0.2	**21/12/2021**																		<0.1	
TP72-fill-0.2	**21/12/2021**																		<0.1	
TP73-fill-0.1	**21/12/2021**																		<0.1	
TP73-natural-0.2	**21/12/2021**																		<0.1	
TP74-fill-0.1	**21/12/2021**																		<0.1	
TP74-fill-0.1	**21/12/2021**																		<0.1	
TP74-natural-0.1	**21/12/2021**																		<0.1	
TP75-fill-0.1	**21/12/2021**																		<0.1	
TP75-natural-0.3	**21/12/2021**																		<0.1	
TP76-BR1	**21/12/2021**																		<0.10	
TP76-fill-0.3	**21/12/2021**																		<0.10	
TP76-fill-0.3	**21/12/2021**																		<0.10	
TP77-fill-0.5	**21/12/2021**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP77-natural-0.6	**21/12/2021**																		<0.10	
TP78-fill-0.3	**21/12/2021**																		<0.10	
TP78-fill-0.3	**21/12/2021**																		<0.10	
TP79-fill-0.2	**21/12/2021**																		<0.10	
TP79-natural-0.3	**21/12/2021**																		<0.10	
TP80-fill-0.2	**21/12/2021**																		<0.10	
TP80-fill-0.2	**21/12/2021**																		<0.10	
TP80-natural-0.3	**21/12/2021**																		<0.10	
TP81-fill-0.2	**21/12/2021**																		<0.10	
TP80-natural-0.3	**21/12/2021**																		<0.10	
TP81-fill-0.2	**21/12/2021**																		<0.10	
TP82-fill-0.2	**21/12/2021**																		<0.10	
TP82-fill-0.2	**21/12/2021**																		<0.10	
TP82-fill-0.3	**21/12/2021**																		<0.10	
TP83-fill-0.3	**21/12/2021**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP83-natural-0.4	**21/12/2021**																		<0.10	
TP84-fill-0.2	**21/12/2021**																		<0.10	
TP84-fill-0.2	**21/12/2021**																		<0.10	
TP85-fill-0.3	**21/12/2021**																		<0.10	
TP85-natural-0.4	**21/12/2021**																		<0.10	
TP86-BR2-0.3	**21/12/2021**																		<0.10	
TP86-fill-0.3	**21/12/2021**																		<0.10	
TP86-fill-0.3	**21/12/2021**																		<0.10	
TP86-natural-0.4	**21/12/2021**																		<0.10	
TP87-fill-0.3	**21/12/2021**																		<0.10	
TP92-fill-0.4	**21/12/2021**																		<0.10	
TP92-fill-0.4	**21/12/2021**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP92-natural-0.5	**21/12/2021**																		<0.10	
TP97-BR	**21/01/2022**																		<0.10	
TP97-fill	**21/01/2022**																		<0.10	
TP97-nat	**21/01/2022**																		<0.10	
TP98-fill	**21/01/2022**																		<0.10	
TP98-nat	**21/01/2022**																		<0.10	
TP99-fill	**21/01/2022**																		<0.10	
TP100-fill	**21/01/2022**																		<0.10	
TP100-fill	**21/01/2022**																		<0.10	
TP100-nat	**21/01/2022**																		<0.10	
TP105-fill	**21/01/2022**																		<0.10	
TP106-fill	**21/01/2022**																		<0.10	
TP106-fill	**21/01/2022**																		<0.10	
TP106-nat	**21/01/2022**																		<0.10	
TP107-fill	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP107-nat	**21/01/2022**																		<0.10	
TP108-fill	**21/01/2022**																		<0.10	
TP108-fill	**21/01/2022**																		<0.10	
TP110-fill	**21/01/2022**																		<0.10	
TP110-nat	**21/01/2022**																		<0.10	

		Chlorinated Hydrocarbons													Halogenated Benzenes					Herbicides
		1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**																		<0.10	
TP112-fill	**21/01/2022**																		<0.10	
TP112-fill	**21/01/2022**																		<0.10	
TP112-nat	**21/01/2022**																		<0.10	
TP113-fill	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP113-nat	**21/01/2022**																		<0.10	
TP114-BR2	**21/01/2022**																		<0.10	
TP114-fill	**21/01/2022**																		<0.10	
TP114-fill	**21/01/2022**																		<0.10	
TP115-fill	**21/01/2022**																		<0.10	
TP115-nat	**21/01/2022**																		<0.10	
TP116-fill	**21/01/2022**																		<0.10	
TP116-fill	**21/01/2022**																		<0.10	
TP116-nat	**21/01/2022**																		<0.10	
TP117-BR2	**21/01/2022**																		<0.10	
TP117-fill	**21/01/2022**																		<0.10	
TP118-fill	**21/01/2022**																		<0.10	
TP118-nat	**21/01/2022**																		<0.10	
TP119-BR	**21/01/2022**																		<0.10	
TP119-fill	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP119-nat	**21/01/2022**																		<0.10	
TP120-fill	**21/01/2022**																		<0.10	
TP122-fill	**21/01/2022**																		<0.10	
TP122-nat	**21/01/2022**																		<0.10	
TP123-fill	**21/01/2022**																		<0.10	
TP124-fill	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP124-nat	**21/01/2022**																		<0.10	
TP125-fill	**21/01/2022**																		<0.10	
TP126-fill	**21/01/2022**																		<0.10	
TP126-nat	**21/01/2022**																		<0.10	
TP127-fill	**21/01/2022**																		<0.10	
TP127-nat	**21/01/2022**																		<0.10	
TP128-fill	**21/01/2022**																		<0.10	
TP129-fill	**21/01/2022**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10	<5.0
TP129-nat	**21/01/2022**																		<0.10	
TP130-fill	**21/01/2022**																		<0.10	

Statistics

Number of Results	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**17**	**213**	**16**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.1**	**<5**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.1**	**<5**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**2.5**
Median Concentration *	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**2.5**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**2.5**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids					Inorganics	MAH	
		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)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Moisture Content	Monocylic aromatic hydrocarbons EPAVic	Styrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
EQL		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005		1	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**																	20		
21.1994.BR2	**21/12/2021**																	24.2		
21.1994.TP47-BR	**21/12/2021**																	14.6		
TP01FILL_0.0-0.3	**21/01/2022**																	18.4		
TP02FILL_0.0-0.2	**21/01/2022**																	19.0		
TP03FILL_0.0-0.3	**21/01/2022**																	24.3		
TP03NAT_0.3-1.3	**21/01/2022**																	20.1		
TP04FILL_0.0-0.2	**21/01/2022**																	19.0		
TP05FILL_0.0-0.5	**21/01/2022**																	13.1		
TP05NAT_0.5-1.8	**21/01/2022**																	19.6		
TP06FILL_0.0-0.2	**21/01/2022**																	21.4		
TP07FILL_0.0-0.2	**21/01/2022**																	19.2		
TP10FILL_0.0-0.2	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	19.7		
TP10FILL_0.2-0.7	**21/01/2022**																	17.7		
TP10NAT_0.7-1.0	**21/01/2022**																	14.3		
TP11FILL_0.0-0.3	**21/01/2022**																	32.4		
TP12FILL_0.0-0.3	**21/01/2022**																	33.4		
TP19FILL_0.0-0.3	**21/01/2022**																	20.7		
TP19FILL_0.0-0.3_BR	**21/01/2022**																	20.4		
TP20FILL_0.0-0.3	**21/01/2022**																	22.7		
TP21FILL_0.0-0.2	**21/01/2022**																	19.8		
TP22FILL_0.0-0.2	**21/01/2022**																	15.8		
TP23-fill-0.1	**21/12/2021**																	21.5		
TP23-fill-0.1	**21/12/2021**																	18.9		
TP23-natural-0.4	**21/12/2021**																	22.5		
TP24-fill-0.1	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	23.3	<1	<0.5
TP24-natural-0.4	**21/12/2021**																	18.8		
TP25-fill-0.1	**21/12/2021**																	19.4		
TP25-fill-0.1	**21/12/2021**																	21.8		
TP26-fill-0.1	**21/12/2021**																	23.9		
TP26-natural-0.4	**21/12/2021**																	20.9		
TP27-fill-0.1	**21/12/2021**																	18		
TP27-fill-0.1	**21/12/2021**																	19.1		
TP27-natural-0.4	**21/12/2021**																	19.9		
TP28FILL_0.0-0.3	**21/01/2022**																	19.8		
TP29FILL_0.0-0.3	**21/01/2022**																	19.1		
TP30FILL_0.0-0.2	**21/01/2022**																	21.6		
TP31FILL_0.0-0.3	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	35.6		
TP32FILL_0.0-0.3	**21/01/2022**																	15.8		
TP33FILL_0.0-0.2	**21/01/2022**																	21.2		
TP34FILL_0.0-0.3	**21/01/2022**																	23.7		
TP34NAT_0.3-1.0	**21/01/2022**																	14.5	<1.0	<0.50
TP35-Fill-0.1	**1/02/2022**																	24.5	<1.0	<0.50
TP36-BR3-0.2	**21/12/2021**																	20.0		
TP36-fill-0.2	**21/12/2021**																	20.4		
TP36-natural-0.3	**21/12/2021**																	21.5		
TP37-fill-0.3	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	16.7	<1.0	<0.50
TP37-natural-0.4	**21/12/2021**																	19.3		
TP38-fill-0.3	**21/12/2021**																	17.3		
TP39-BR1-0.5	**20/12/2021**																	14.6		
TP39-fill-0.5	**20/12/2021**																	15.2		
TP39-fill-0.5	**20/12/2021**																	22.5		
TP40-fill-0.5	**20/12/2021**																	24.2		

		Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids					Inorganics	MAH	
		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)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Moisture Content	Monocylic aromatic hydrocarbons EPAVic	Styrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
TP41-fill-0.5	20/12/2021																	24.2		
TP41-fill-0.5	20/12/2021																	23.4		
TP42-fill-0.5	20/12/2021																	64.4		
TP43-fill-0.2	20/12/2021																	35.2		
TP43-fill-0.2	20/12/2021																	24.1		
TP43-natural-0.3	20/12/2021																	20.4		
TP44-fill-0.3	21/12/2021																	15.4		
TP44-natural-0.4	21/12/2021																	12.0		
TP45-fill-0.3	21/12/2021																	19.5		
TP46-fill-0.3	21/12/2021																	16.3		
TP46-natural-0.4	21/12/2021																	16.2		
TP47-fill-0.1	21/12/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	16	<1	<0.5
TP47-natural-0.3	21/12/2021																	21.3		
TP48-fill-0.1	21/12/2021																	22.2		
TP48-natural-0.3	21/12/2021																	23		
TP49-fill-0.1	21/12/2021																	13.9		
TP49-fill-0.1	21/12/2021																	15.5		
TP50-fill-0.2	21/12/2021																	21.3		
TP50-fill-0.2	21/12/2021																	18		
TP50-natural-0.4	21/12/2021																	21.5		
TP51-fill-0.9	20/12/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	6.3	<1.0	<0.50
TP51-natural-1.0	20/12/2021																	19.7		
TP52-fill-0.3	21/12/2021																	18.6		
TP52-fill-0.3	21/12/2021																	18.6		
TP52-natural-0.4	21/12/2021																	18.2		
TP53-fill-0.1	21/12/2021																	17.2		
TP54-BR2-0.1	20/12/2021																	16.3		
TP54-fill-0.1	20/12/2021																	15.7		
TP54-fill-0.1	20/12/2021																	15.7		
TP54-fill-0.2	20/12/2021																	19.0		
TP55-fill-0.1	20/12/2021																	15.3		
TP56-fill-0.4	20/12/2021																	24.1		
TP56-fill-0.4	20/12/2021																	22.5		
TP56-natural-0.5	20/12/2021																	18.6		
TP57-fill-0.1	20/12/2021																	38.0		
TP57-natural-0.2	20/12/2021																	17.3		
TP58-fill-0.1	20/12/2021																	29.5		
TP58-fill-0.1	20/12/2021																	23.8		
TP59-fill-0.1	21/12/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	20.5	<1	<0.5
TP59-natural-0.2	21/12/2021																	22.7		
TP60-fill-0.1	21/12/2021																	16.2		
TP60-fill-0.1	21/12/2021																	17.4		
TP61-fill-0.2	21/12/2021																	18.5		
TP61-natural-0.3	21/12/2021																	19.1		
TP62-fill-0.2	21/12/2021																	18.1		
TP62-fill-0.2	21/12/2021																	16.7		
TP62-natural-0.3	21/12/2021																	18.5		
TP63-fill-0.1	21/12/2021																	19.3		
TP64-fill-0.2	21/12/2021																	15.3		
TP64-fill-0.2	21/12/2021																	17.4		
TP64-natural-0.3	21/12/2021																	17.2		
TP65-fill-0.1	21/12/2021																	20.3	<1	<0.5
TP65-natural-0.25	21/12/2021																	20.5		
TP66-fill-0.1	21/12/2021																	21.3		
TP66-fill-0.1	21/12/2021																	19.5		
TP67-fill-0.1	21/12/2021																	22.2		
TP67-natural-0.2	21/12/2021																	18.5		
TP68-fill-0.1	21/12/2021																	19.2		
TP68-fill-0.1	21/12/2021																	18.1		
TP68-natural-0.3	21/12/2021																	19.6		
TP69-fill-0.1	21/12/2021																	19.6		
TP70-fill-0.2	21/12/2021																	16.2		

		Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids					Inorganics	MAH	
		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)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Moisture Content	Monocylic aromatic hydrocarbons EPAVic	Styrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**																	16.8		
TP70-natural-0.4	**21/12/2021**																	18.4		
TP71-fill-0.1	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	18.6	<1	<0.5
TP71-natural-0.3	**21/12/2021**																	20.7		
TP72-fill-0.2	**21/12/2021**																	17.3		
TP72-fill-0.2	**21/12/2021**																	23.5		
TP73-fill-0.1	**21/12/2021**																	18.6		
TP73-natural-0.2	**21/12/2021**																	19.5		
TP74-fill-0.1	**21/12/2021**																	18.7		
TP74-fill-0.1	**21/12/2021**																	18.1		
TP74-natural-0.1	**21/12/2021**																	18		
TP75-fill-0.1	**21/12/2021**																	19.9		
TP75-natural-0.3	**21/12/2021**																	20.4		
TP76-BR1	**21/12/2021**																	20.6		
TP76-fill-0.3	**21/12/2021**																	24.6		
TP76-fill-0.3	**21/12/2021**																	23.8		
TP77-fill-0.5	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	19.8	<1.0	<0.50
TP77-natural-0.6	**21/12/2021**																	18.1		
TP78-fill-0.3	**21/12/2021**																	14.6		
TP78-fill-0.3	**21/12/2021**																	13.7		
TP79-fill-0.2	**21/12/2021**																	17.5		
TP79-natural-0.3	**21/12/2021**																	19.7		
TP80-fill-0.2	**21/12/2021**																	25.1		
TP80-fill-0.2	**21/12/2021**																	16.3		
TP80-natural-0.3	**21/12/2021**																	21.7		
TP81-fill-0.2	**21/12/2021**																	19.8		
TP82-fill-0.2	**21/12/2021**																	20.3		
TP82-fill-0.2	**21/12/2021**																	22.3		
TP82-fill-0.3	**21/12/2021**																	22.8		
TP83-fill-0.3	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	19.4	<1.0	<0.50
TP83-natural-0.4	**21/12/2021**																	18.0		
TP84-fill-0.2	**21/12/2021**																	17.6		
TP84-fill-0.2	**21/12/2021**																	17.4		
TP85-fill-0.3	**21/12/2021**																	19.0		
TP85-natural-0.4	**21/12/2021**																	22.3		
TP86-BR2-0.3	**21/12/2021**																	19.8		
TP86-fill-0.3	**21/12/2021**																	20.1		
TP86-fill-0.3	**21/12/2021**																	20.4		
TP86-natural-0.4	**21/12/2021**																	20.6		
TP87-fill-0.3	**21/12/2021**																	18.9		
TP92-fill-0.4	**21/12/2021**																	20.7		
TP92-fill-0.4	**21/12/2021**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	21.2	<1.0	<0.50
TP92-natural-0.5	**21/12/2021**																	19.0		
TP97-BR	**21/01/2022**																	20.5		
TP97-fill	**21/01/2022**																	19.2		
TP97-nat	**21/01/2022**																	21.3		
TP98-fill	**21/01/2022**																	25.6		
TP98-nat	**21/01/2022**																	32.4		
TP99-fill	**21/01/2022**																	22.0		
TP100-fill	**21/01/2022**																	21.9		
TP100-fill	**21/01/2022**																	21.8		
TP100-nat	**21/01/2022**																	22.5		
TP105-fill	**21/01/2022**																	20.8		
TP106-fill	**21/01/2022**																	18.1		
TP106-fill	**21/01/2022**																	15.9		
TP106-nat	**21/01/2022**																	12.1		
TP107-fill	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	17.6	<1.0	<0.50
TP107-nat	**21/01/2022**																	13.7		
TP108-fill	**21/01/2022**																	10.3		
TP108-fill	**21/01/2022**																	16.4		
TP110-fill	**21/01/2022**																	22.4		
TP110-nat	**21/01/2022**																	21.6		

		Perfluoroalkane Carboxylic Acids											Perfluoroalkane Sulfonic Acids					Inorganics	MAH	
		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)	Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Moisture Content	Monocylic aromatic hydrocarbons EPAVic	Styrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg
TP111-fill	**21/01/2022**																	20.0		
TP112-fill	**21/01/2022**																	17.8		
TP112-fill	**21/01/2022**																	18.1		
TP112-nat	**21/01/2022**																	18.7		
TP113-fill	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	19.0	<1.0	<0.50
TP113-nat	**21/01/2022**																	13.9		
TP114-BR2	**21/01/2022**																	20.7		
TP114-fill	**21/01/2022**																	20.4		
TP114-fill	**21/01/2022**																	17.9		
TP115-fill	**21/01/2022**																	18.8		
TP115-nat	**21/01/2022**																	13.8		
TP116-fill	**21/01/2022**																	19.9		
TP116-fill	**21/01/2022**																	20.5		
TP116-nat	**21/01/2022**																	14.9		
TP117-BR2	**21/01/2022**																	22.1		
TP117-fill	**21/01/2022**																	22.4		
TP118-fill	**21/01/2022**																	20.2		
TP118-nat	**21/01/2022**																	17.3		
TP119-BR	**21/01/2022**																	23.1		
TP119-fill	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	21.9	<1.0	<0.50
TP119-nat	**21/01/2022**																	20.9		
TP120-fill	**21/01/2022**																	24.9		
TP122-fill	**21/01/2022**																	19.8		
TP122-nat	**21/01/2022**																	16.2		
TP123-fill	**21/01/2022**																	16.9		
TP124-fill	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	27.9	<1.0	<0.50
TP124-nat	**21/01/2022**																	21.0		
TP125-fill	**21/01/2022**																	21.0		
TP126-fill	**21/01/2022**																	20.6		
TP126-nat	**21/01/2022**																	20.3		
TP127-fill	**21/01/2022**																	16.7		
TP127-nat	**21/01/2022**																	14.7		
TP128-fill	**21/01/2022**																	18.9		
TP129-fill	**21/01/2022**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	19.6	<1.0	<0.50
TP129-nat	**21/01/2022**																	19.4		
TP130-fill	**21/01/2022**																	22.6		

Statistics

Number of Results	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**	**213**	**17**	**17**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**213**	**0**	**0**
Minimum Concentration	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**6.3**	**<1**	**<0.5**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**6.3**	**ND**	**ND**
Maximum Concentration	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**<0.005**	**64.4**	**<1**	**<0.5**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**64.4**	**ND**	**ND**
Average Concentration *	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**20**	**0.5**	**0.25**
Median Concentration *	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**19.6**	**0.5**	**0.25**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**
95% UCL (Student's-t) *	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**0.0025**	**20.56**	**0.5**	**0.25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**0**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Metals								Organochlorine Pesticides										
		Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		5	0.3	5	5	10	0.2	10	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind		160																640		
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil		3,000	900		240,000	1,500	730	6,000	400,000											
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**	17.8	<0.3	25.6	10.8	<10	<0.2	<10	23.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
21.1994.BR2	**21/12/2021**	5.5	<0.3	10.8	9.4	<10	<0.2	<10	13.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
21.1994.TP47-BR	**21/12/2021**	35.6	<0.3	39.7	13.2	31	<0.2	<10	34.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP01FILL_0.0-0.3	**21/01/2022**	14.8	<0.30	15.2	10.3	12.6	<0.20	<10.0	28.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP02FILL_0.0-0.2	**21/01/2022**	12.5	<0.30	17.0	28.0	20.7	<0.20	10.4	47.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP03FILL_0.0-0.3	**21/01/2022**	17.8	<0.30	24.0	40.4	29.7	<0.20	<10.0	97.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP03NAT_0.3-1.3	**21/01/2022**	27.4	<0.30	7.9	19.4	11.1	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP04FILL_0.0-0.2	**21/01/2022**	20.1	<0.30	12.8	20.0	16.9	<0.20	13.6	50.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP05FILL_0.0-0.5	**21/01/2022**	16.9	<0.30	6.3	45.9	<10.0	<0.20	<10.0	70.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP05NAT_0.5-1.8	**21/01/2022**	11.2	<0.30	10.1	38.9	<10.0	<0.20	<10.0	61.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP06FILL_0.0-0.2	**21/01/2022**	16.3	<0.30	17.7	22.0	<10.0	<0.20	<10.0	35.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP07FILL_0.0-0.2	**21/01/2022**	12.3	<0.30	12.7	24.0	<10.0	<0.20	<10.0	33.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP10FILL_0.0-0.2	**21/01/2022**	<5.0	<0.30	8.8	31.5	<10.0	<0.20	<10.0	62.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP10FILL_0.2-0.7	**21/01/2022**	30.5	<0.30	15.3	31.5	<10.0	<0.20	<10.0	29.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP10NAT_0.7-1.0	**21/01/2022**	16.3	<0.30	10.0	31.2	<10.0	<0.20	<10.0	75.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP11FILL_0.0-0.3	**21/01/2022**	<5.0	<0.30	<5.0	<5.0	<10.0	<0.20	33.6	55.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP12FILL_0.0-0.3	**21/01/2022**	<5.0	<0.30	19.4	142.3	<10.0	<0.20	14.1	581.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP19FILL_0.0-0.3	**21/01/2022**	15.8	<0.30	12.5	19.8	<10.0	<0.20	<10.0	17.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP19FILL_0.0-0.3_BR	**21/01/2022**	15.3	<0.30	13.4	18.5	<10.0	<0.20	<10.0	17.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP20FILL_0.0-0.3	**21/01/2022**	12.4	<0.30	12.2	26.3	10.3	<0.20	<10.0	44.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP21FILL_0.0-0.2	**21/01/2022**	19.0	<0.30	15.5	46.1	20.2	<0.20	12.3	59.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP22FILL_0.0-0.2	**21/01/2022**	7.1	<0.30	9.1	47.1	11.4	<0.20	15.3	64.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP23-fill-0.1	**21/12/2021**	14.8	<0.3	17.7	26.2	19.7	<0.2	16.8	59.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP23-fill-0.1	**21/12/2021**	10.9	<0.3	17	25.6	17.9	<0.2	15.5	59.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP23-natural-0.4	**21/12/2021**	15.2	<0.3	19.7	30.6	11.1	<0.2	18.6	67.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP24-fill-0.1	**21/12/2021**	16.3	<0.3	15.4	18.3	15.9	<0.2	<10	39	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP24-natural-0.4	**21/12/2021**	19.2	<0.3	19	17.4	14.9	<0.2	<10	26.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP25-fill-0.1	**21/12/2021**	9.1	<0.3	13	24.3	11.2	<0.2	11.8	47.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP25-fill-0.1	**21/12/2021**	9.3	<0.3	12.5	25.2	13.4	<0.2	16.6	53.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP26-fill-0.1	**21/12/2021**	16.6	<0.3	12.1	25.1	12.2	<0.2	10.2	46.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP26-natural-0.4	**21/12/2021**	11.5	<0.3	13.4	18.3	<10	<0.2	<10	30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP27-fill-0.1	**21/12/2021**	<5	<0.3	20.1	17.1	14	<0.2	15.4	46.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP27-fill-0.1	**21/12/2021**	<5	<0.3	13.6	12.4	11	<0.2	<10	34.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP27-natural-0.4	**21/12/2021**	14.9	<0.3	16.6	18.5	<10	<0.2	11.5	42.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP28FILL_0.0-0.3	**21/01/2022**	32.4	<0.30	20.7	24.4	31.9	<0.20	19.2	86.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP29FILL_0.0-0.3	**21/01/2022**	19.3	<0.30	18.4	16.2	12.4	<0.20	<10.0	33.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP30FILL_0.0-0.2	**21/01/2022**	11.7	<0.30	9.6	29.0	<10.0	<0.20	<10.0	27.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP31FILL_0.0-0.3	**21/01/2022**	<5.0	<0.30	<5.0	54.3	<10.0	<0.20	<10.0	369.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP32FILL_0.0-0.3	**21/01/2022**	7.4	<0.30	10.2	28.9	<10.0	<0.20	11.4	78.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP33FILL_0.0-0.2	**21/01/2022**	11.2	<0.30	11.2	17.6	12.8	<0.20	<10.0	32.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP34FILL_0.0-0.3	**21/01/2022**	14.5	<0.30	15.3	24.0	10.5	<0.20	<10.0	39.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP34NAT_0.3-1.0	**21/01/2022**	8.2	<0.30	10.8	35.9	<10.0	<0.20	13.3	79.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP35-Fill-0.1	**1/02/2022**	6.5	<0.30	10.2	17.4	<10.0	<0.20	10.5	34.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP36-BR3-0.2	**21/12/2021**	18.0	<0.30	12.6	14.9	12.5	<0.20	<10.0	25.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP36-fill-0.2	**21/12/2021**	17.5	<0.30	13.7	14.7	16.3	<0.20	<10.0	28.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP36-natural-0.3	**21/12/2021**	25.6	<0.30	22.0	17.1	19.0	<0.20	<10.0	31.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP37-fill-0.3	**21/12/2021**	28.0	<0.30	20.0	10.7	16.0	<0.20	<10.0	25.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP37-natural-0.4	**21/12/2021**	23.4	<0.30	18.8	15.6	<10.0	<0.20	<10.0	21.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP38-fill-0.3	**21/12/2021**	16.2	<0.30	11.6	17.8	<10.0	<0.20	<10.0	29.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP39-BR1-0.5	**20/12/2021**	15.3	<0.30	13.6	46.0	72.0	<0.20	<10.0	101.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP39-fill-0.5	**20/12/2021**	15.8	<0.30	12.4	38.2	82.5	<0.20	<10.0	133.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP39-fill-0.5	**20/12/2021**	8.8	<0.30	12.5	23.0	33.0	<0.20	<10.0	75.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP40-fill-0.5	**20/12/2021**	<5.0	<0.30	9.5	7.7	<10.0	<0.20	<10.0	32.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20

		Metals								Organochlorine Pesticides										
		Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	**20/12/2021**	<5.0	<0.30	9.6	212.3	14.8	<0.20	<10.0	529.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP41-fill-0.5	**20/12/2021**	<5.0	<0.30	10.3	167.8	20.0	<0.20	<10.0	439.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP42-fill-0.5	**20/12/2021**	<5.0	<0.30	9.6	27.0	<10.0	0.37	<10.0	41.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP43-fill-0.2	**20/12/2021**	6.0	<0.30	12.2	23.6	11.1	0.23	<10.0	61.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP43-fill-0.2	**20/12/2021**	16.6	<0.30	17.9	19.6	15.0	<0.20	10.5	44.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP43-natural-0.3	**20/12/2021**	15.1	<0.30	11.8	37.7	15.7	<0.20	21.9	89.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP44-fill-0.3	**21/12/2021**	21.4	<0.30	15.8	12.1	<10.0	<0.20	<10.0	25.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP44-natural-0.4	**21/12/2021**	24.9	<0.30	12.3	56.0	13.2	<0.20	20.1	95.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP45-fill-0.3	**21/12/2021**	11.2	<0.30	7.1	14.5	<10.0	<0.20	<10.0	30.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP46-fill-0.3	**21/12/2021**	22.6	<0.30	14.0	14.2	<10.0	<0.20	<10.0	25.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP46-natural-0.4	**21/12/2021**	28.2	<0.30	16.6	15.9	<10.0	<0.20	<10.0	20.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP47-fill-0.1	**21/12/2021**	8	<0.3	20	29.9	15.4	<0.2	<10	47.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP47-natural-0.3	**21/12/2021**	<5	<0.3	5	14.5	<10	<0.2	<10	7.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP48-fill-0.1	**21/12/2021**	6.3	<0.3	12.2	16.1	<10	<0.2	<10	40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP48-natural-0.3	**21/12/2021**	30.1	<0.3	17.8	49.4	13.4	<0.2	10.5	80	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP49-fill-0.1	**21/12/2021**	11	<0.3	10.6	54.9	<10	<0.2	17.1	45.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP49-fill-0.1	**21/12/2021**	13.1	<0.3	18	48	<10	<0.2	12	36.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP50-fill-0.2	**21/12/2021**	8.4	<0.3	13.2	34.4	18.8	<0.2	13.5	51.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP50-fill-0.2	**21/12/2021**	19.1	<0.3	25.6	53	33.4	<0.2	20.4	121.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP50-natural-0.4	**21/12/2021**	9.9	<0.3	5.6	19	<10	<0.2	<10	31.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP51-fill-0.9	**20/12/2021**	6.8	<0.30	12.7	78.2	14.0	<0.20	34.7	65.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP51-natural-1.0	**20/12/2021**	20.7	<0.30	13.4	24.9	13.3	<0.20	<10.0	42.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP52-fill-0.3	**21/12/2021**	19.0	<0.30	14.9	13.3	10.3	<0.20	<10.0	17.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP52-fill-0.3	**21/12/2021**	21.4	<0.30	15.7	25.9	20.5	<0.20	<10.0	40.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP52-natural-0.4	**21/12/2021**	8.1	<0.30	7.2	12.2	<10.0	<0.20	<10.0	45.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP53-fill-0.1	**21/12/2021**	21.4	<0.3	43.1	13.2	23.7	<0.2	<10	51.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP54-BR2-0.1	**20/12/2021**	34.8	<0.30	40.0	19.6	78.1	<0.20	11.1	75.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP54-fill-0.1	**20/12/2021**	20.8	<0.30	27.2	21.4	28.6	<0.20	13.4	66.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP54-fill-0.1	**20/12/2021**	17.3	<0.30	28.8	20.9	23.8	<0.20	11.6	51.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP54-fill-0.2	**20/12/2021**	27.2	<0.30	17.5	16.0	14.3	<0.20	<10.0	14.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP55-fill-0.1	**20/12/2021**	<5.0	<0.30	25.7	21.6	151.1	<0.20	<10.0	194.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP56-fill-0.4	**20/12/2021**	<5.0	<0.30	8.8	78.3	<10.0	<0.20	<10.0	107.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP56-fill-0.4	**20/12/2021**	<5.0	<0.30	10.2	57.9	10.6	<0.20	<10.0	84.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP56-natural-0.5	**20/12/2021**	12.3	<0.30	<5.0	14.1	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP57-fill-0.1	**20/12/2021**	<5.0	<0.30	8.1	141.6	<10.0	<0.20	<10.0	94.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP57-natural-0.2	**20/12/2021**	11.9	<0.30	9.3	26.0	<10.0	<0.20	<10.0	48.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP58-fill-0.1	**20/12/2021**	<5.0	<0.30	<5.0	44.5	<10.0	<0.20	<10.0	73.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP58-fill-0.1	**20/12/2021**	<5.0	<0.30	<5.0	45.5	<10.0	<0.20	<10.0	113.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP59-fill-0.1	**21/12/2021**	18.9	<0.3	29.7	13.3	10.2	<0.2	<10	26.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP59-natural-0.2	**21/12/2021**	6.5	<0.3	11.9	12.9	<10	<0.2	<10	6.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP60-fill-0.1	**21/12/2021**	13.7	<0.3	12.9	<5	<10	<0.2	<10	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP60-fill-0.1	**21/12/2021**	22.4	<0.3	39.6	<5	18.3	<0.2	<10	8.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP61-fill-0.2	**21/12/2021**	31.8	<0.3	36.6	9.2	36.7	<0.2	<10	11.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP61-natural-0.3	**21/12/2021**	29	<0.3	41.2	11.2	23.9	<0.2	<10	15.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP62-fill-0.2	**21/12/2021**	20	<0.3	19.5	12.1	10	<0.2	<10	16.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP62-fill-0.2	**21/12/2021**	18.4	<0.3	20.6	10.7	16.4	<0.2	<10	14.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP62-natural-0.3	**21/12/2021**	6	<0.3	7.7	20.1	<10	<0.2	<10	35.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP63-fill-0.1	**21/12/2021**	7.2	<0.3	15.1	11.9	15.4	<0.2	<10	24.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP64-fill-0.2	**21/12/2021**	6.1	<0.3	12.9	13.1	<10	<0.2	<10	19.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP64-fill-0.2	**21/12/2021**	18.2	<0.3	18.6	12.5	<10	<0.2	<10	22.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP64-natural-0.3	**21/12/2021**	14.1	<0.3	10.3	21.6	<10	<0.2	<10	37.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP65-fill-0.1	**21/12/2021**	14.1	<0.3	20.2	14.1	28	<0.2	<10	34.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP65-natural-0.25	**21/12/2021**	25.8	<0.3	25.3	31.7	21.4	<0.2	13.3	68.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP66-fill-0.1	**21/12/2021**	24.8	<0.3	30.9	12.7	16.1	<0.2	<10	21.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP66-fill-0.1	**21/12/2021**	12.4	<0.3	21.1	14	14.3	<0.2	<10	25.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP67-fill-0.1	**21/12/2021**	15	<0.3	18.9	19.4	15.8	<0.2	13.5	46.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP67-natural-0.2	**21/12/2021**	18.5	<0.3	17.7	22.8	11.9	<0.2	13	48.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP68-fill-0.1	**21/12/2021**	26.4	<0.3	23.9	25.1	25.1	<0.2	<10	47.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP68-fill-0.1	**21/12/2021**	15.5	<0.3	14.5	20.5	<10	<0.2	<10	34.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP68-natural-0.3	**21/12/2021**	29.1	<0.3	22.5	29.9	14.6	<0.2	<10	53.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP69-fill-0.1	**21/12/2021**	24	<0.3	24.8	16.3	18	<0.2	<10	29.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP70-fill-0.2	**21/12/2021**	25.2	<0.3	27.6	6.1	20.8	<0.2	<10	10.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2

		Metals								Organochlorine Pesticides										
		Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**	9.5	<0.3	16.3	8.1	<10	<0.2	<10	5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP70-natural-0.4	**21/12/2021**	18.3	<0.3	31.9	7.4	12.4	<0.2	<10	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP71-fill-0.1	**21/12/2021**	25.7	<0.3	22.9	22.7	12.9	<0.2	<10	39.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP71-natural-0.3	**21/12/2021**	<5	<0.3	<5	19.8	<10	<0.2	<10	14.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP72-fill-0.2	**21/12/2021**	25.2	<0.3	49.2	10.3	20.6	<0.2	<10	50.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP72-fill-0.2	**21/12/2021**	10.6	<0.3	15.7	11.9	<10	<0.2	<10	21.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP73-fill-0.1	**21/12/2021**	17.6	<0.3	28.7	27.1	18.2	<0.2	<10	31.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP73-natural-0.2	**21/12/2021**	15.5	<0.3	20.7	15.8	<10	<0.2	<10	12.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP74-fill-0.1	**21/12/2021**	23.4	<0.3	27.3	56	14.4	<0.2	<10	39.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP74-fill-0.1	**21/12/2021**	11.8	<0.3	15.3	59.2	<10	<0.2	<10	41.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP74-natural-0.1	**21/12/2021**	13.9	<0.3	19.4	47.3	<10	<0.2	<10	35.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP75-fill-0.1	**21/12/2021**	15.9	<0.3	13.6	9.4	11.1	<0.2	<10	15.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP75-natural-0.3	**21/12/2021**	14.7	<0.3	10.3	11.8	<10	<0.2	<10	11.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
TP76-BR1	**21/12/2021**	8.8	<0.30	10.1	28.6	<10.0	<0.20	<10.0	29.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP76-fill-0.3	**21/12/2021**	<5.0	<0.30	9.4	68.3	<10.0	0.21	<10.0	60.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP76-fill-0.3	**21/12/2021**	<5.0	<0.30	11.5	63.3	<10.0	<0.20	<10.0	60.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP77-fill-0.5	**21/12/2021**	21.7	<0.30	26.9	43.0	12.7	<0.20	<10.0	56.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP77-natural-0.6	**21/12/2021**	27.4	<0.30	24.3	16.0	<10.0	<0.20	<10.0	18.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP78-fill-0.3	**21/12/2021**	26.3	<0.30	21.2	54.1	16.3	<0.20	<10.0	30.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP78-fill-0.3	**21/12/2021**	19.5	<0.30	21.0	39.4	11.8	<0.20	<10.0	24.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP79-fill-0.2	**21/12/2021**	22.8	<0.30	18.1	13.7	15.0	<0.20	<10.0	14.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP79-natural-0.3	**21/12/2021**	42.8	<0.30	20.0	20.0	12.7	<0.20	<10.0	19.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP80-fill-0.2	**21/12/2021**	31.5	<0.30	27.6	25.8	23.2	<0.20	<10.0	42.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP80-fill-0.2	**21/12/2021**	29.2	<0.30	27.4	21.7	16.6	<0.20	<10.0	29.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP80-natural-0.3	**21/12/2021**	18.4	<0.30	18.3	27.7	<10.0	<0.20	<10.0	38.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP81-fill-0.2	**21/12/2021**	14.8	<0.30	18.5	17.7	17.6	<0.20	<10.0	37.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP82-fill-0.2	**21/12/2021**	5.9	<0.30	13.8	48.1	<10.0	<0.20	<10.0	135.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP82-fill-0.2	**21/12/2021**	21.2	<0.30	26.1	40.0	17.8	<0.20	10.0	110.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP82-fill-0.3	**21/12/2021**	19.2	<0.30	23.6	46.0	20.7	<0.20	<10.0	136.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP83-fill-0.3	**21/12/2021**	23.2	<0.30	22.7	22.3	17.7	<0.20	10.2	49.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP83-natural-0.4	**21/12/2021**	8.2	<0.30	7.2	13.4	<10.0	<0.20	<10.0	32.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP84-fill-0.2	**21/12/2021**	20.9	<0.30	18.2	34.8	15.9	<0.20	11.9	74.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP84-fill-0.2	**21/12/2021**	17.6	<0.30	18.8	37.0	16.2	<0.20	10.7	86.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP85-fill-0.3	**21/12/2021**	33.3	<0.30	32.3	23.6	28.8	<0.20	10.5	47.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP85-natural-0.4	**21/12/2021**	29.3	<0.30	20.2	14.4	<10.0	<0.20	<10.0	13.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP86-BR2-0.3	**21/12/2021**	35.8	<0.30	39.5	20.2	37.3	<0.20	23.9	60.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP86-fill-0.3	**21/12/2021**	30.2	<0.30	35.7	20.8	33.3	<0.20	12.8	43.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP86-fill-0.3	**21/12/2021**	21.6	<0.30	28.4	22.1	21.5	<0.20	<10.0	35.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP86-natural-0.4	**21/12/2021**	22.8	<0.30	17.6	15.7	16.8	<0.20	<10.0	27.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP87-fill-0.3	**21/12/2021**	17.8	<0.30	21.2	35.8	22.9	<0.20	<10.0	89.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP92-fill-0.4	**21/12/2021**	12.0	<0.30	18.9	146.4	10.6	<0.20	<10.0	499.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP92-fill-0.4	**21/12/2021**	17.4	<0.30	17.9	19.2	14.7	<0.20	<10.0	38.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP92-natural-0.5	**21/12/2021**	8.0	<0.30	<5.0	14.3	<10.0	<0.20	<10.0	19.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP97-BR	**21/01/2022**	5.9	<0.30	18.5	18.4	<10.0	<0.20	<10.0	18.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP97-fill	**21/01/2022**	16.8	<0.30	24.3	13.0	<10.0	<0.20	<10.0	14.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP97-nat	**21/01/2022**	19.4	<0.30	20.1	11.1	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP98-fill	**21/01/2022**	20.3	<0.30	28.9	14.4	22.6	<0.20	<10.0	30.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP98-nat	**21/01/2022**	17.0	<0.30	5.5	19.1	<10.0	<0.20	<10.0	17.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP99-fill	**21/01/2022**	22.4	<0.30	13.3	8.2	17.2	<0.20	10.0	18.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP100-fill	**21/01/2022**	10.5	<0.30	20.6	13.8	20.4	<0.20	<10.0	25.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP100-fill	**21/01/2022**	23.7	<0.30	30.2	12.5	18.3	<0.20	<10.0	20.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP100-nat	**21/01/2022**	45.4	<0.30	11.7	43.5	22.8	<0.20	26.7	100.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP105-fill	**21/01/2022**	<5.0	<0.30	16.4	17.7	<10.0	<0.20	<10.0	30.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP106-fill	**21/01/2022**	8.5	<0.30	22.3	18.4	<10.0	<0.20	<10.0	25.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP106-fill	**21/01/2022**	10.9	<0.30	19.5	15.5	<10.0	<0.20	<10.0	20.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP106-nat	**21/01/2022**	15.5	<0.30	9.4	15.9	<10.0	<0.20	<10.0	19.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP107-fill	**21/01/2022**	11.2	<0.30	25.6	11.5	13.2	<0.20	<10.0	15.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP107-nat	**21/01/2022**	24.2	<0.30	11.7	24.7	19.7	<0.20	20.3	79.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP108-fill	**21/01/2022**	24.6	<0.30	21.1	8.2	23.4	<0.20	<10.0	8.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP108-fill	**21/01/2022**	14.8	<0.30	17.7	<5.0	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP110-fill	**21/01/2022**	9.3	<0.30	15.6	34.1	12.9	<0.20	12.5	71.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP110-nat	**21/01/2022**	37.6	<0.30	18.0	84.2	20.2	<0.20	30.1	114.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20

		Metals								Organochlorine Pesticides										
		Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**	7.3	<0.30	17.4	14.9	10.6	<0.20	<10.0	23.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP112-fill	**21/01/2022**	8.4	<0.30	16.4	18.7	<10.0	<0.20	<10.0	18.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP112-fill	**21/01/2022**	5.6	<0.30	20.4	15.9	<10.0	<0.20	<10.0	16.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP112-nat	**21/01/2022**	21.0	<0.30	27.8	13.0	<10.0	<0.20	<10.0	18.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP113-fill	**21/01/2022**	<5.0	<0.30	17.8	15.8	<10.0	<0.20	<10.0	19.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP113-nat	**21/01/2022**	8.5	<0.30	7.2	8.2	26.6	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP114-BR2	**21/01/2022**	14.6	<0.30	16.8	12.1	<10.0	<0.20	<10.0	13.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP114-fill	**21/01/2022**	10.1	<0.30	31.7	13.9	13.9	<0.20	<10.0	32.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP114-fill	**21/01/2022**	10.1	<0.30	23.8	13.4	<10.0	<0.20	<10.0	17.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP115-fill	**21/01/2022**	11.3	<0.30	21.9	14.8	15.8	<0.20	<10.0	24.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP115-nat	**21/01/2022**	34.6	<0.30	34.2	13.8	25.8	<0.20	<10.0	30.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP116-fill	**21/01/2022**	13.5	<0.30	17.9	9.6	22.6	<0.20	<10.0	15.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP116-fill	**21/01/2022**	19.1	<0.30	28.1	8.8	16.1	<0.20	<10.0	15.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP116-nat	**21/01/2022**	<5.0	<0.30	7.9	5.1	<10.0	<0.20	<10.0	13.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP117-BR2	**21/01/2022**	16.3	<0.30	17.3	29.8	<10.0	<0.20	31.6	54.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP117-fill	**21/01/2022**	16.5	<0.30	17.9	32.0	17.9	<0.20	34.4	59.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP118-fill	**21/01/2022**	19.7	<0.30	18.4	21.1	10.3	<0.20	<10.0	36.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP118-nat	**21/01/2022**	21.5	<0.30	10.4	19.7	<10.0	<0.20	<10.0	14.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP119-BR	**21/01/2022**	<5.0	<0.30	15.3	19.6	14.4	<0.20	<10.0	55.9	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP119-fill	**21/01/2022**	9.3	<0.30	12.5	15.4	<10.0	<0.20	<10.0	13.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP119-nat	**21/01/2022**	<5.0	<0.30	<5.0	8.7	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP120-fill	**21/01/2022**	11.3	<0.30	16.5	<5.0	14.6	<0.20	<10.0	7.6	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP122-fill	**21/01/2022**	<5.0	<0.30	8.2	9.5	<10.0	<0.20	<10.0	7.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP122-nat	**21/01/2022**	9.9	<0.30	<5.0	6.3	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP123-fill	**21/01/2022**	6.7	<0.30	9.1	<5.0	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP124-fill	**21/01/2022**	12.3	<0.30	16.5	16.9	14.8	<0.20	11.4	27.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP124-nat	**21/01/2022**	10.6	<0.30	17.7	23.5	<10.0	<0.20	<10.0	21.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP125-fill	**21/01/2022**	10.1	<0.30	13.3	24.7	<10.0	<0.20	<10.0	42.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP126-fill	**21/01/2022**	17.9	<0.30	15.7	27.0	11.3	<0.20	<10.0	42.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP126-nat	**21/01/2022**	11.9	<0.30	9.9	28.5	<10.0	<0.20	<10.0	39.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP127-fill	**21/01/2022**	15.0	<0.30	19.4	13.7	<10.0	<0.20	<10.0	11.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP127-nat	**21/01/2022**	8.4	<0.30	5.4	10.2	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP128-fill	**21/01/2022**	9.9	<0.30	28.1	8.5	<10.0	<0.20	<10.0	12.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP129-fill	**21/01/2022**	32.1	<0.30	26.0	<5.0	16.3	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP129-nat	**21/01/2022**	16.0	<0.30	8.3	11.0	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
TP130-fill	**21/01/2022**	8.8	<0.30	15.2	6.3	<10.0	<0.20	<10.0	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20

Statistics

Number of Results	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**
Number of Detects	**187**	**0**	**204**	**206**	**119**	**3**	**48**	**199**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<5**	**<0.3**	**5**	**<5**	**10**	**<0.2**	**10**	**5**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**
Minimum Detect	**5.5**	**ND**	**5**	**5.1**	**10**	**0.21**	**10**	**5**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**45.4**	**<0.3**	**49.2**	**212.3**	**151.1**	**0.37**	**34.7**	**581.2**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.2**
Maximum Detect	**45.4**	**ND**	**49.2**	**212.3**	**151.1**	**0.37**	**34.7**	**581.2**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**15**	**0.15**	**17**	**26**	**14**	**0.1**	**7.5**	**50**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**
Median Concentration *	**15.1**	**0.15**	**16.6**	**19.2**	**11.1**	**0.1**	**5**	**33.6**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**
Standard Deviation *	**8.9**	**0**	**8.4**	**26**	**14**	**0.022**	**5.7**	**75**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**16.5**	**0.15**	**18.24**	**29.14**	**15.17**	**0.105**	**8.151**	**58.7**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.1**
% of Detects	**88**	**0**	**96**	**97**	**56**	**1**	**23**	**93**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**12**	**100**	**4**	**3**	**44**	**99**	**77**	**7**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

											Organophosphorous Pesticides									
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				100				50		2,500	2,000									
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
21.1994.BR2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
21.1994.TP47-BR	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP01FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP02FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP03FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP03NAT_0.3-1.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP04FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP05FILL_0.0-0.5	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP05NAT_0.5-1.8	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP06FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP07FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP10FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP10FILL_0.2-0.7	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP10NAT_0.7-1.0	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP11FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP12FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP19FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP19FILL_0.0-0.3_BR	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP20FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP21FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP22FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP23-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP23-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP23-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP24-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP24-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP25-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP25-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP26-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP26-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP27-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP27-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP27-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP28FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP29FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP30FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP31FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP32FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP33FILL_0.0-0.2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP34FILL_0.0-0.3	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP34NAT_0.3-1.0	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP35-Fill-0.1	**1/02/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP36-BR3-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP36-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP36-natural-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP37-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP37-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP38-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP39-BR1-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP39-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP39-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP40-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30

											Organophosphorous Pesticides									
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP41-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP42-fill-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP43-fill-0.2	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP43-fill-0.2	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP43-natural-0.3	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP44-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP44-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP45-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP46-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP46-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP47-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP47-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP48-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP48-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP49-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP49-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP50-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP50-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP50-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP51-fill-0.9	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP51-natural-1.0	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP52-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP52-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP52-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP53-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP54-BR2-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP54-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP54-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP54-fill-0.2	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP55-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP56-fill-0.4	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP56-fill-0.4	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP56-natural-0.5	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP57-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP57-natural-0.2	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP58-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP58-fill-0.1	**20/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP59-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP59-natural-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP60-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP60-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP61-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP61-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP62-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP62-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP62-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP63-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP64-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP64-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP64-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP65-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP65-natural-0.25	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP66-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP66-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP67-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP67-natural-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP68-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP68-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP68-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP69-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP70-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3

											Organophosphorous Pesticides									
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP70-natural-0.4	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP71-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP71-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP72-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP72-fill-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.45	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP73-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP73-natural-0.2	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP74-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP74-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP74-natural-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP75-fill-0.1	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP75-natural-0.3	**21/12/2021**	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
TP76-BR1	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP76-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP76-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	0.81
TP77-fill-0.5	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP77-natural-0.6	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP78-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP78-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP79-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP79-natural-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP80-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP80-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP80-natural-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP81-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP82-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP82-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP82-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP83-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP83-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP84-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP84-fill-0.2	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP85-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP85-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP86-BR2-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP86-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP86-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP86-natural-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP87-fill-0.3	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP92-fill-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP92-fill-0.4	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP92-natural-0.5	**21/12/2021**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP97-BR	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP97-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP97-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP98-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP98-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP99-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP100-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP100-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP100-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP105-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP106-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP106-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP106-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP107-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP107-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP108-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP108-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP110-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP110-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30

											Organophosphorous Pesticides									
		Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP112-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP112-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP112-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP113-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP113-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP114-BR2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP114-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP114-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP115-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP115-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP116-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP116-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP116-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP117-BR2	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP117-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP118-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP118-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP119-BR	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP119-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	0.39
TP119-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP120-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP122-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP122-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP123-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP124-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP124-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP125-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP126-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP126-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP127-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP127-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP128-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP129-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP129-nat	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30
TP130-fill	**21/01/2022**	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.30	<0.30	<0.30

Statistics

Number of Results	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
Minimum Concentration	**<0.2**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**
Minimum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.45**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.39**
Maximum Concentration	**<0.2**	**<0.1**	**<0.2**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**0.45**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**0.81**
Maximum Detect	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.45**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.81**
Average Concentration *	**0.1**	**0.05**	**0.1**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.052**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.15**	**0.15**	**0.15**	**0.15**
Median Concentration *	**0.1**	**0.05**	**0.1**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.15**	**0.15**	**0.15**	**0.15**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.027**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.048**
95% UCL (Student's-t) *	**0.1**	**0.05**	**0.1**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.055**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.15**	**0.15**	**0.15**	**0.16**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**99**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		PAH												PCBs					
		Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of positives)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind											370									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil		1.4																		
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
21.1994.BR2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
21.1994.TP47-BR	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP01FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP02FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP03FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP03NAT_0.3-1.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP04FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP05FILL_0.0-0.5	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP05NAT_0.5-1.8	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP06FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP07FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP10FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP10FILL_0.2-0.7	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP10NAT_0.7-1.0	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP11FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP12FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP19FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP19FILL_0.0-0.3_BR	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP20FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP21FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP22FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP23-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP23-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP23-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP24-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP24-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP25-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP25-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP26-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP26-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP27-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP27-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP27-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP28FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP29FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP30FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP31FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP32FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP33FILL_0.0-0.2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP34FILL_0.0-0.3	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP34NAT_0.3-1.0	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP35-Fill-0.1	**1/02/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP36-BR3-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP36-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP36-natural-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP37-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP37-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP38-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP39-BR1-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP39-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP39-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP40-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

		PAH												PCBs					
		Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of positives)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP41-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP42-fill-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP43-fill-0.2	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP43-fill-0.2	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP43-natural-0.3	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP44-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP44-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP45-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP46-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP46-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP47-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP47-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP48-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP48-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP49-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	6.5	6.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP49-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP50-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP50-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP50-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP51-fill-0.9	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP51-natural-1.0	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP52-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP52-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP52-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP53-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP54-BR2-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP54-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP54-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP54-fill-0.2	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP55-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP56-fill-0.4	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP56-fill-0.4	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP56-natural-0.5	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP57-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP57-natural-0.2	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP58-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP58-fill-0.1	**20/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP59-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP59-natural-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP60-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP60-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP61-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP61-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP62-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP62-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP62-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP63-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP64-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP64-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP64-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP65-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP65-natural-0.25	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP66-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP66-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP67-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP67-natural-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP68-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP68-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP68-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP69-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP70-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

		PAH												PCBs					
		Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of positives)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP70-natural-0.4	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP71-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP71-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP72-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP72-fill-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP73-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP73-natural-0.2	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP74-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP74-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP74-natural-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP75-fill-0.1	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP75-natural-0.3	**21/12/2021**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP76-BR1	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP76-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP76-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP77-fill-0.5	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP77-natural-0.6	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP78-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP78-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP79-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP79-natural-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP80-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP80-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP80-natural-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP81-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP82-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP82-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP82-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP83-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP83-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP84-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP84-fill-0.2	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP85-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP85-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP86-BR2-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP86-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP86-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP86-natural-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP87-fill-0.3	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP92-fill-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP92-fill-0.4	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP92-natural-0.5	**21/12/2021**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP97-BR	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP97-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP97-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP98-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP98-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP99-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP100-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP100-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP100-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP105-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP106-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP106-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP106-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP107-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP107-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP108-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP108-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP110-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP110-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

		PAH													PCBs					
		Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of positives)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP112-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP112-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP112-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP113-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP113-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP114-BR2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP114-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP114-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP115-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP115-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP116-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP116-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP116-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP117-BR2	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP117-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP118-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP118-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP119-BR	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.42	<0.30	<0.30	<0.30	<0.30	0.39	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP119-fill	**21/01/2022**	0.36	0.53	<0.30	<0.30	0.48	<0.30	0.71	<0.30	<0.30	<0.30	<0.30	0.66	3.13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP119-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP120-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP122-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP122-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP123-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP124-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP124-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP125-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP126-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP126-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP127-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP127-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP128-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP129-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP129-nat	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TP130-fill	**21/01/2022**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Statistics

Number of Results	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**	**213**
Number of Detects	**1**	**1**	**0**	**0**	**1**	**0**	**2**	**0**	**0**	**0**	**0**	**3**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Minimum Detect	**0.36**	**0.53**	**ND**	**ND**	**0.48**	**ND**	**0.42**	**ND**	**ND**	**ND**	**ND**	**0.39**	**0.81**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**0.36**	**0.53**	**<0.3**	**<0.3**	**0.48**	**<0.3**	**0.71**	**<0.3**	**<0.3**	**<0.3**	**<0.3**	**6.5**	**6.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Maximum Detect	**0.36**	**0.53**	**ND**	**ND**	**0.48**	**ND**	**0.71**	**ND**	**ND**	**ND**	**ND**	**6.5**	**6.5**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.18**	**0.2**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Median Concentration *	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.15**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Standard Deviation *	**0.014**	**0.026**	**0**	**0**	**0.023**	**0**	**0.043**	**0**	**0**	**0**	**0**	**0.44**	**0.48**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.153**	**0.155**	**0.15**	**0.15**	**0.154**	**0.15**	**0.159**	**0.15**	**0.15**	**0.15**	**0.15**	**0.233**	**0.255**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**99**	**100**	**100**	**100**	**100**	**99**	**98**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Pesticides	TPH				
	Arochlor 1260	DEF	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.1	25	50	100	100	50
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt							
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							
Field ID	**Date**						
21.1994.BR1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
21.1994.BR2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
21.1994.TP47-BR	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP01FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP02FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP03FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP03NAT_0.3-1.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP04FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP05FILL_0.0-0.5	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP05NAT_0.5-1.8	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP06FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP07FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP10FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP10FILL_0.2-0.7	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP10NAT_0.7-1.0	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP11FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP12FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP19FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP19FILL_0.0-0.3_BR	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP20FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP21FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP22FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP23-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP23-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP23-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP24-fill-0.1	**21/12/2021**	<0.5	<0.1	<35	<50	<100	<100	<50
TP24-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP25-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP25-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP26-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP26-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP27-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP27-fill-0.1	**21/12/2021**	<0.5	<0.1	69	<50	<100	<100	<50
TP27-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP28FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP29FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP30FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP31FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP32FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP33FILL_0.0-0.2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP34FILL_0.0-0.3	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP34NAT_0.3-1.0	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP35-Fill-0.1	**1/02/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP36-BR3-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP36-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP36-natural-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP37-fill-0.3	**21/12/2021**	<0.50	<0.10	<35	<50	<100	<100	<50
TP37-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP38-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP39-BR1-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP39-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP39-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP40-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50

			Pesticides	TPH				
		Arochlor 1260	DEF	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP41-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP41-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP42-fill-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP43-fill-0.2	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP43-fill-0.2	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP43-natural-0.3	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP44-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP44-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP45-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP46-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP46-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP47-fill-0.1	**21/12/2021**	<0.5	<0.1	<35	<50	<100	<100	<50
TP47-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP48-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP48-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP49-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP49-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP50-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP50-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP50-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP51-fill-0.9	**20/12/2021**	<0.50	<0.10	<35	<50	<100	<100	<50
TP51-natural-1.0	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP52-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP52-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP52-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP53-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP54-BR2-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP54-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP54-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP54-fill-0.2	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP55-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP56-fill-0.4	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP56-fill-0.4	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP56-natural-0.5	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP57-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP57-natural-0.2	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP58-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP58-fill-0.1	**20/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP59-fill-0.1	**21/12/2021**	<0.5	<0.1	<35	<50	<100	<100	<50
TP59-natural-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP60-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP60-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP61-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP61-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP62-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP62-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP62-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP63-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP64-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP64-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP64-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP65-fill-0.1	**21/12/2021**	<0.5	<0.1	<35	<50	<100	<100	<50
TP65-natural-0.25	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP66-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP66-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP67-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP67-natural-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP68-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP68-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP68-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP69-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP70-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50

			Pesticides	TPH				
		Arochlor 1260	DEF	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP70-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP70-natural-0.4	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP71-fill-0.1	**21/12/2021**	<0.5	<0.1	<35	<50	<100	<100	<50
TP71-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP72-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP72-fill-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP73-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP73-natural-0.2	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP74-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP74-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP74-natural-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP75-fill-0.1	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP75-natural-0.3	**21/12/2021**	<0.5	<0.1	<25	<50	<100	<100	<50
TP76-BR1	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP76-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP76-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP77-fill-0.5	**21/12/2021**	<0.50	<0.10	<35	<50	<100	<100	<50
TP77-natural-0.6	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP78-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP78-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP79-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP79-natural-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP80-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP80-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP80-natural-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP81-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP82-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP82-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP82-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP83-fill-0.3	**21/12/2021**	<0.50	<0.10	<35	<50	<100	<100	<50
TP83-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP84-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP84-fill-0.2	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP85-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP85-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP86-BR2-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP86-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP86-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP86-natural-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP87-fill-0.3	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP92-fill-0.4	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP92-fill-0.4	**21/12/2021**	<0.50	<0.10	<35	<50	<100	<100	<50
TP92-natural-0.5	**21/12/2021**	<0.50	<0.10	<25	<50	<100	<100	<50
TP97-BR	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP97-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP97-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP98-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP98-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP99-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP100-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP100-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP100-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP105-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP106-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP106-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP106-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP107-fill	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP107-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP108-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP108-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP110-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP110-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50

			Pesticides	TPH				
		Arochlor 1260	DEF	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP111-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP112-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP112-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP112-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP113-fill	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP113-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP114-BR2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP114-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP114-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP115-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP115-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP116-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP116-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP116-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP117-BR2	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP117-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP118-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP118-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP119-BR	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP119-fill	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP119-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP120-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP122-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP122-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP123-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP124-fill	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP124-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP125-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP126-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP126-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP127-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP127-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP128-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP129-fill	**21/01/2022**	<0.50	<0.10	<35	<50	<100	<100	<50
TP129-nat	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50
TP130-fill	**21/01/2022**	<0.50	<0.10	<25	<50	<100	<100	<50

Statistics

Number of Results	**213**	**213**	**213**	**213**	**213**	**213**	**213**
Number of Detects	**0**	**0**	**1**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.5**	**<0.1**	**<25**	**<50**	**<100**	**<100**	**<50**
Minimum Detect	**ND**	**ND**	**69**	**ND**	**ND**	**ND**	**ND**
Maximum Concentration	**<0.5**	**<0.1**	**69**	**<50**	**<100**	**<100**	**<50**
Maximum Detect	**ND**	**ND**	**69**	**ND**	**ND**	**ND**	**ND**
Average Concentration *	**0.25**	**0.05**	**13**	**25**	**50**	**50**	**25**
Median Concentration *	**0.25**	**0.05**	**12.5**	**25**	**50**	**50**	**25**
Standard Deviation *	**0**	**0**	**4.1**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *	**0.25**	**0.05**	**13.63**	**25**	**50**	**50**	**25**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		NA	Metals								TRH									
		2-Methyl-4,6-dinitrophenol	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10 Fraction (F1)		C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)		>C16-C34 Fraction (F3)		>C34-C40 Fraction (F4)		>C10-C40 Fraction (Sum)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
EQL		2	5	0.3	1	5	5	0.1	1	5	35	10	35	50	50	100	100	100	100	100
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil											700			1,000		3,500		10,000		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil											800			1,000		5,000		10,000		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay													310 | 480							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand													260 | 370 | 630							
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind			160																	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil													215	170		1,700		3,300		
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil													215	170		2,500		6,600		
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil			3,000	900		240,000	1,500	730	6,000	400,000										
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	<5.0	<0.30	13.2	61.7	7.5	<0.10	9.0	62.4	<35	-	<35	<50	-	101	-	<100	-	101
21.1994.BR2	**08 Nov 2022**	-	6.6	<0.30	10.5	26.0	<5.0	<0.10	1.0	24.8	<35	-	<35	<50	-	101	-	<100	-	101
21.1994.BR3	**28 Nov 2022**	-	5.6	<0.30	12.2	9.9	9.9	<0.10	3.3	19.1	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.DS13.BR	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	<10	-	-	<50	-	<100	-	<100	-
21.1994.TP1.Fill	**08 Nov 2022**	-	7.0	0.45	16.1	31.4	18.9	<0.10	11.7	71.5	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP1.Natural	**08 Nov 2022**	-	9.2	0.48	18.4	28.8	23.7	<0.10	12.8	76.3	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP1.Salinity	**08 Nov 2022**	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	8.7	0.50	30.9	21.2	27.6	<0.10	8.4	31.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP3.Fill	**08 Nov 2022**	-	5.7	0.40	15.5	14.3	21.4	<0.10	5.7	234.3	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP3.Natural	**08 Nov 2022**	-	7.6	<0.30	14.2	15.4	17.2	<0.10	5.9	45.8	<35	-	<35	<50	-	248	-	207	-	455
21.1994.TP4.Fill	**08 Nov 2022**	-	11.5	0.58	23.3	24.9	30.5	<0.10	8.9	56.0	<35	-	<35	<50	-	169	-	<100	-	169
21.1994.TP4.Salinity	**08 Nov 2022**	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	14.1	0.69	19.7	13.0	20.8	<0.10	5.3	23.9	<35	-	<35	<50	-	177	-	<100	-	177
21.1994.TP6.Fill	**08 Nov 2022**	<2.0	23.5	1.22	27.7	23.1	32.2	<0.10	12.0	57.8	<35	-	<35	<50	-	162	-	<100	-	162
21.1994.TP6.Natural	**08 Nov 2022**	-	11.7	0.47	14.7	14.8	22.6	<0.10	8.2	25.1	<35	-	<35	<50	-	157	-	<100	-	157
21.1994.TP7.Fill	**08 Nov 2022**	-	7.9	0.57	17.0	20.8	25.6	<0.10	4.2	42.2	<35	-	<35	<50	-	147	-	<100	-	147
21.1994.TP8.Fill	**08 Nov 2022**	-	8.6	0.56	16.6	37.0	17.9	<0.10	5.6	31.2	<35	-	<35	<50	-	121	-	<100	-	121
21.1994.TP9.Fill	**08 Nov 2022**	-	<5.0	<0.30	11.9	15.6	38.4	<0.10	3.5	588.7	<35	-	<35	<50	-	150	-	<100	-	150
21.1994.TP10.Fill	**08 Nov 2022**	-	16.2	0.88	31.3	15.2	27.3	<0.10	3.4	25.7	<35	-	<35	<50	-	117	-	<100	-	117
21.1994.TP10.Salin	**08 Nov 2022**	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	8.8	0.57	21.9	23.6	12.3	<0.10	2.7	30.0	<35	-	<35	<50	-	100	-	<100	-	100
21.1994.TP12.Fill	**08 Nov 2022**	-	6.9	0.47	13.9	24.9	11.3	<0.10	15.6	91.6	<35	-	<35	<50	-	100	-	<100	-	100
21.1994.TP13.Fill	**08 Nov 2022**	-	6.8	0.58	22.7	56.5	31.6	<0.10	11.3	159.7	<35	-	<35	<50	-	111	-	<100	-	111
21.1994.TP14.Fill	**08 Nov 2022**	-	<5.0	0.31	10.2	83.2	12.3	<0.10	7.5	46.1	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP15.Fill	**16 Nov 2022**	-	6.0	0.31	10.9	24.6	14.6	<0.10	4.4	29.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP16.Fill	**08 Nov 2022**	-	8.3	0.54	16.3	26.6	19.0	<0.10	4.3	37.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP16.Natural	**08 Nov 2022**	-	11.3	0.59	23.8	17.4	20.0	<0.10	2.9	26.1	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP17.Fill	**08 Nov 2022**	-	<5.0	<0.30	9.8	132.3	9.8	<0.10	5.0	160.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP18.Fill	**28 Nov 2022**	-	10.2	<0.30	14.5	9.7	6.7	<0.10	<1.0	10.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP18.Sal	**28 Nov 2022**	-	16.1	<0.30	33.4	13.7	12.7	<0.10	<1.0	12.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP18Natural	**28 Nov 2022**	-	15.8	<0.30	20.1	9.6	9.3	<0.10	<1.0	13.2	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP19.Fill	**28 Nov 2022**	-	17.3	<0.30	33.7	11.5	31.1	<0.10	1.7	21.4	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP19.Sal	**28 Nov 2022**	-	11.3	<0.30	16.5	10.0	13.0	<0.10	4.0	26.0	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP20.Fill	**28 Nov 2022**	-	9.8	<0.30	22.1	12.9	15.7	<0.10	6.1	33.9	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP20.Sal	**28 Nov 2022**	-	15.6	<0.30	32.4	15.3	21.1	<0.10	8.8	56.1	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP21.Fill	**28 Nov 2022**	-	13.8	<0.30	30.1	12.3	17.1	<0.10	4.0	32.8	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP21.Sal	**28 Nov 2022**	-	8.7	<0.30	20.1	12.3	14.9	<0.10	3.0	27.6	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP21Natural	**28 Nov 2022**	-	5.8	<0.30	12.2	10.9	<5.0	<0.10	<1.0	6.8	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP22.Fill	**28 Nov 2022**	-	6.7	<0.30	13.2	48.7	10.5	<0.10	7.2	82.0	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP22.Sal	**28 Nov 2022**	-	7.2	<0.30	13.0	48.0	12.7	<0.10	7.6	91.3	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP23.Fill	**28 Nov 2022**	-	<5.0	<0.30	21.1	56.9	29.6	0.13	8.3	178.2	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP23.Sal	**28 Nov 2022**	-	<5.0	<0.30	17.5	58.6	31.9	0.18	7.2	195.2	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP24.Fill	**28 Nov 2022**	-	7.7	<0.30	14.4	16.0	14.2	<0.10	6.9	19.2	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP24.Sal	**28 Nov 2022**	-	9.6	<0.30	11.6	14.9	17.0	<0.10	8.9	26.7	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP24Natural	**28 Nov 2022**	-	6.6	<0.30	12.7	13.2	17.2	<0.10	6.7	20.9	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP25.Fill	**28 Nov 2022**	-	9.4	<0.30	14.3	31.6	6.8	<0.10	12.6	64.3	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP25.Sal	**28 Nov 2022**	-	<5.0	<0.30	11.2	32.1	<5.0	<0.10	9.7	61.6	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP25Natural	**28 Nov 2022**	-	11.6	<0.30	14.6	35.4	9.6	<0.10	11.3	61.5	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP26.Fill	**28 Nov 2022**	-	7.3	<0.30	14.6	23.5	26.8	<0.10	6.7	60.1	<35	-	<35	<50	-	<100	-	<100	-	<100

		NA	Metals								TRH									
		2-Methyl-4,6-dinitrophenol	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10 Fraction (F1)		C6-C10 (F1 minus BTEX)	>C10-C16 Fraction (F2)		>C16-C34 Fraction (F3)		>C34-C40 Fraction (F4)		>C10-C40 Fraction (Sum)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	mg/kg	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg
21.1994.TP26.Sal	28 Nov 2022	-	8.8	<0.30	13.4	26.4	22.6	<0.10	6.8	64.1	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP27.Fill	28 Nov 2022	-	<5.0	<0.30	15.2	30.8	17.2	<0.10	7.5	58.3	<35	-	<35	<50	-	<100	-	<100	-	<100
21.1994.TP27.Sal	28 Nov 2022	<2.0	-	-	-	-	-	-	-	-	<35	-	<35	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	8.7	<0.30	17.3	50.7	56.0	<0.10	9.5	73.6	<35	-	<35	<50	-	<100	-	<100	-	<100

Statistics

Number of Results	5	48	48	48	48	48	48	48	48	49	10	49	48	10	48	10	48	10	48
Number of Detects	0	40	18	48	48	45	2	44	48	0	0	0	0	0	14	1	1	1	14
Minimum Concentration	<2	<5	<0.3	9.8	9.6	<5	<0.1	1	6.8	<35	<10	<35	<50	<50	100	<100	<100	<100	100
Maximum Concentration	<2	23.5	1.22	33.7	132.3	56	0.18	15.6	588.7	<35	<10	<35	<50	<50	248	770	207	280	455
Average Concentration *	1	8.8	0.31	18	28	19	0.054	6.4	69	18	5	18	25	25	76	122	53	73	81
Median Concentration *	1	8.45	0.15	15.8	23.3	17.2	0.05	6.7	44	17.5	5	17.5	25	25	50	50	50	50	50
Standard Deviation *	0	4.5	0.24	6.7	23	10	0.022	3.6	91	0	0	0	0	0	47	228	23	73	68
95% UCL (Student's-t) *	1	9.852	0.363	19.57	33.96	21.11	0.0597	7.318	90.79	17.5	5	17.5	25	25	87.62	254	58.76	115.2	97.01
% of Detects	0	83	38	100	100	94	4	92	100	0	0	0	0	0	29	10	2	10	29
% of Non-Detects	100	17	62	0	0	6	96	8	0	100	100	100	100	100	71	90	98	90	71

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

																				PAH	
		>C10-C40 Fraction (Sum)	Benzo(b+j+k)fluoranthene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a) pyrene		Benzo(g,h,i)perylene		Chrysene		Dibenz(a,h)anthracene	
		µg/L	mg/kg	mg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL		50	0.3	0.002	0.3	1	0.3	1	0.3	1	0.3	1	0.3	1	0.3	1	0.3	1	0.3	1
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil													1.4							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil													1.4							
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.BR2	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.BR3	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.DS13.BR	**28 Nov 2022**	<50	-	<0.002	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1
21.1994.TP1.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP1.Natural	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP3.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP3.Natural	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP4.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP6.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP6.Natural	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP7.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP8.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP9.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP10.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP12.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP13.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP14.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP15.Fill	**16 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP16.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP16.Natural	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP17.Fill	**08 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP18.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP18.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP18Natural	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP19.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP19.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP20.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP20.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP21.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP21.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP21Natural	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP22.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP22.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP23.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP23.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP24.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP24.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP24Natural	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP25.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP25.Sal	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP25Natural	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP26.Fill	**28 Nov 2022**	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-

																				PAH	
		>C10-C40 Fraction (Sum)	Benzo(b+j+k)fluoranthene		Acenaphthene		Acenaphthylene		Anthracene		Benzo(a)anthracene		Benzo(a) pyrene		Benzo(g,h,i)perylene		Chrysene		Dibenz(a,h)anthracene	
		µg/L	mg/kg	mg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
21.1994.TP26.Sal	28 Nov 2022	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP27.Fill	28 Nov 2022	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-
21.1994.TP27.Sal	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-

Statistics

Number of Results	10	48	10	48	10	48	10	48	10	48	10	48	10	48	10	48	10	48	10
Number of Detects	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<50	<0.3	<0.002	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1
Maximum Concentration	1,000	<0.3	<0.002	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1	<0.3	<1
Average Concentration *	122	0.15	0.001	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5
Median Concentration *	25	0.15	0.001	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5
Standard Deviation *	308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	301.2	0.15	0.001	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15	0.5
% of Detects	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	90	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Fluoranthene		Fluorene		Indeno(1,2,3-c,d)pyrene		Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ	PAHs (Sum of positives)	PAHs (Sum of positives)	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/L	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.3	1	0.3	1	0.3	1	0.3	1	0.3	1	0.3	1	0.005	0.3	0.001	1	0.5	0.5	0.5
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																		4 | 6 | 9 | 20		
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																		3 | 3 | 3 | 3		
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind							370										370			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																		75	135	165
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																		95	135	185
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.BR2	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.BR3	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.DS13.BR	**28 Nov 2022**	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1	<0.005	-	0	-	-	-	-
21.1994.TP1.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP1.Natural	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP3.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP3.Natural	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP4.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP6.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP6.Natural	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP7.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP8.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP9.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP10.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP12.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP13.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP14.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP15.Fill	**16 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP16.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP16.Natural	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP17.Fill	**08 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP18.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP18.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP18Natural	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP19.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP19.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP20.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP20.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP21.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP21.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP21Natural	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP22.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP22.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP23.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP23.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP24.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP24.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP24Natural	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP25.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP25.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP25Natural	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP26.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0

		Fluoranthene		Fluorene		Indeno(1,2,3-c,d)pyrene		Naphthalene		Phenanthrene		Pyrene		Benzo(a)pyrene TEQ	PAHs (Sum of positives)	PAHs (Sum of positives)	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene
		mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/L	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg
21.1994.TP26.Sal	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP27.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0
21.1994.TP27.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.00	<0.50	<0.50	<0.50
21.1994.TP28.Fill	**28 Nov 2022**	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	<0.30	-	-	<0.30	-	-	<0.50	<0.50	<1.0

Statistics

Number of Results	**48**	**10**	**48**	**10**	**48**	**10**	**48**	**10**	**48**	**10**	**48**	**10**	**10**	**48**	**10**	**1**	**49**	**49**	**49**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.005**	**<0.3**	**0**	**<1**	**<0.5**	**<0.5**	**<0.5**
Maximum Concentration	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.3**	**<1**	**<0.005**	**<0.3**	**0**	**<1**	**<0.5**	**<0.5**	**<1**
Average Concentration *	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.0025**	**0.15**	**0**		**0.25**	**0.25**	**0.49**
Median Concentration *	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.0025**	**0.15**	**0**	**0.5**	**0.25**	**0.25**	**0.5**
Standard Deviation *	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**0**	**0**	**0.036**
95% UCL (Student's-t) *	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.15**	**0.5**	**0.0025**	**0.15**	**0**		**0.25**	**0.25**	**0.503**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**0**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		BTEX					Phenols													
		Trifluorotoluene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol
		%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	0.5	1	1	0.1	0.1	0.1	0.05	0.05	0.05	0.2	4	0.05	0.1	0.2	0.2	5	0.2
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand					230															
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil					180															
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil					95															
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR2	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR3	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.DS13.BR	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Natural	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20
21.1994.TP2.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Natural	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20
21.1994.TP5.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20
21.1994.TP6.Natural	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP7.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP8.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP9.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20
21.1994.TP11.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP12.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP13.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP14.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP15.Fill	**16 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Natural	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP17.Fill	**08 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18Natural	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21Natural	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24Natural	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Sal	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25Natural	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP26.Fill	**28 Nov 2022**	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		BTEX					Phenols													
		Trifluorotoluene	Xylene (m & p)	Xylene (o)	Xylene Total	Total BTEX	2,3,4,5-Tetrachlorophenol	2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	2-Nitrophenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol
		%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
21.1994.TP26.Sal	28 Nov 2022	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Fill	28 Nov 2022	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Sal	28 Nov 2022	118	<1.0	<0.50	<1.0	<1.0	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.20	<4.0	<0.050	<0.10	<0.20	<0.20	<5.0	<0.20
21.1994.TP28.Fill	28 Nov 2022	-	<2.0	<1.0	<2.0	<2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistics

Number of Results	1	49	49	49	49	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Detects	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	118	<1	<0.5	<1	<1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2
Maximum Concentration	118	<2	<1	<2	<2	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.2	<4	<0.05	<0.1	<0.2	<0.2	<5	<0.2
Average Concentration *		0.99	0.49	0.99	0.99	0.05	0.05	0.05	0.025	0.025	0.025	0.1	2	0.025	0.05	0.1	0.1	2.5	0.1
Median Concentration *	118	1	0.5	1	1	0.05	0.05	0.05	0.025	0.025	0.025	0.1	2	0.025	0.05	0.1	0.1	2.5	0.1
Standard Deviation *		0.071	0.036	0.071	0.071	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *		1.007	0.503	1.007	1.007	0.05	0.05	0.05	0.025	0.025	0.025	0.1	2	0.025	0.05	0.1	0.1	2.5	0.1
% of Detects	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

						Chlorinated Hydrocarbons														
		4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		4	0.4	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil			25,000	660	240,000															
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR2	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR3	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.DS13.BR	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Salinity	**08 Nov 2022**	<4.0	<0.40	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Salinity	**08 Nov 2022**	<4.0	<0.40	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Fill	**08 Nov 2022**	<4.0	<0.40	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP7.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP8.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP9.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Salin	**08 Nov 2022**	<4.0	<0.40	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP12.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP13.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP14.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP15.Fill	**16 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP17.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP26.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

						Chlorinated Hydrocarbons														
		4-Nitrophenol	Cresol Total	Pentachlorophenol	Phenol	Other chlorinated hydrocarbons EPAVic	Total Chlorinated Hydrocarbons	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,2-dichloroethane	Bromochloromethane	Carbon tetrachloride	Chloroform	cis-1,2-dichloroethene	Dichloromethane	Hexachlorobutadiene	Trichloroethene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
21.1994.TP26.Sal	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Fill	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Sal	28 Nov 2022	<4.0	<0.40	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
21.1994.TP28.Fill	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistics

Number of Results	5	5	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<4	<0.4	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Maximum Concentration	<4	<0.4	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Average Concentration *	2	0.2	0.1	0.1															
Median Concentration *	2	0.2	0.1	0.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Standard Deviation *	0	0	0	0															
95% UCL (Student's-t) *	2	0.2	0.1	0.1															
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

					Halogenated Benzenes					Herbicides	Perfluoroalkane Carboxylic Acids									
	Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb	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)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	5	0.02	0.01	0.02	0.01	0.01	0.02	0.05	0.01	0.5	0.1
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																			
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																			
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																			
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil								80											
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR2	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR3	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.DS13.BR	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	<0.02	<0.01	<0.02	<0.01	<0.01	<0.02	<0.05	<0.01	<0.5	<0.1
21.1994.TP1.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	<5.0	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	<5.0	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	<5.0	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP7.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP8.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP9.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	<5.0	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP12.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP13.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP14.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP15.Fill	**16 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP17.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18Natural	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21Natural	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24Natural	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25Natural	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP26.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-

					Halogenated Benzenes					Herbicides	Perfluoroalkane Carboxylic Acids										
		Tetrachloroethene	trans-1,2-dichloroethene	Vinyl chloride	1,2,4-trichlorobenzene	1,2-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Hexachlorobenzene	Dinoseb	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)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
21.1994.TP26.Sal	28 Nov 2022	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Fill	28 Nov 2022	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Sal	28 Nov 2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<5.0	-	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-	-

Statistics

Number of Results	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**48**	**5**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**	**10**
Number of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Minimum Concentration	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.1**	**<5**	**<0.02**	**0.01**	**<0.02**	**<0.01**	**<0.01**	**<0.02**	**<0.05**	**<0.01**	**<0.5**	**<0.1**
Maximum Concentration	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.1**	**<5**	**<0.02**	**0.01**	**<0.02**	**<0.01**	**<0.01**	**<0.02**	**<0.05**	**<0.01**	**<0.5**	**<0.1**
Average Concentration *								**0.05**	**2.5**	**0.01**	**0.0055**	**0.01**	**0.005**	**0.005**	**0.01**	**0.025**	**0.005**	**0.25**	**0.05**
Median Concentration *	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.05**	**2.5**	**0.01**	**0.005**	**0.01**	**0.005**	**0.005**	**0.01**	**0.025**	**0.005**	**0.25**	**0.05**
Standard Deviation *								**0**	**0**	**0**	**0.0016**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
95% UCL (Student's-t) *								**0.05**	**2.5**	**0.01**	**0.00642**	**0.01**	**0.005**	**0.005**	**0.01**	**0.025**	**0.005**	**0.25**	**0.05**
% of Detects	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
% of Non-Detects	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**90**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Perfluoroalkane Sulfonic Acids							(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkyl Sulfonamides							
		Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	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)	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)	Sum of PFHxS and PFOS
		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
EQL		0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.1	0.05	0.02	0.05	0.1	0.02	0.5	0.01
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																				
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR2	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.BR3	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.DS13.BR	**28 Nov 2022**	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	<0.01
21.1994.TP1.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP3.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP6.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP7.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP8.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP9.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP12.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP13.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP14.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP15.Fill	**16 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP16.Natural	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP17.Fill	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP18Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP19.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP20.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP21Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP22.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP23.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP24Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25.Sal	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP25Natural	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP26.Fill	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Perfluoroalkane Sulfonic Acids						(n:2) Fluorotelomer Sulfonic Acids				Perfluoroalkyl Sulfonamides							
		Perfluoroundecanoic acid (PFUnDA)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	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)	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)	Sum of PFHxS and PFOS
		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
21.1994.TP26.Sal	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Fill	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP27.Sal	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Statistics

Number of Results	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of Detects	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1
Minimum Concentration	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	<0.01
Maximum Concentration	<0.02	<0.01	<0.01	0.02	<0.01	0.03	<0.02	<0.01	1.5	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	0.06
Average Concentration *	0.01	0.005	0.005	0.0065	0.005	0.0075	0.01	0.005	0.15	0.01	0.01	0.05	0.025	0.01	0.025	0.05	0.01	0.25	0.01
Median Concentration *	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.01	0.01	0.05	0.025	0.01	0.025	0.05	0.01	0.25	0.005
Standard Deviation *	0	0	0	0.0047	0	0.0079	0	0	0.47	0	0	0	0	0	0	0	0	0	0.017
95% UCL (Student's-t) *	0.01	0.005	0.005	0.00925	0.005	0.0121	0.01	0.005	0.429	0.01	0.01	0.05	0.025	0.01	0.025	0.05	0.01	0.25	0.0206
% of Detects	0	0	0	10	0	10	0	0	10	0	0	0	0	0	0	0	0	0	10
% of Non-Detects	100	100	100	90	100	90	100	100	90	100	100	100	100	100	100	100	100	100	90

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		PFAS		MAH		Organochlorine Pesticides														
		Sum of PFAS	Sum of PFAS (PFOS + PFOA)	Monocylic aromatic hydrocarbons EPAVic	Styrene	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde
		µg/L	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.01	0.01	1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind														640						
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																			100	
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.BR2	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.BR3	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.DS13.BR	**28 Nov 2022**	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP1.Natural	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP3.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP3.Natural	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP4.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP6.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP6.Natural	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP7.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP8.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP9.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP10.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP12.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP13.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP14.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP15.Fill	**16 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP16.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP16.Natural	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP17.Fill	**08 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP18.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP18.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP18Natural	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP19.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP19.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP20.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP20.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP21.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP21.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP21Natural	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP22.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP22.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP23.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP23.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP24.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP24.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP24Natural	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP25.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP25.Sal	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP25Natural	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP26.Fill	**28 Nov 2022**	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10

		PFAS		MAH		Organochlorine Pesticides														
		Sum of PFAS	Sum of PFAS (PFOS + PFOA)	Monocylic aromatic hydrocarbons EPAVic	Styrene	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde
		µg/L	µg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
21.1994.TP26.Sal	28 Nov 2022	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP27.Fill	28 Nov 2022	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10
21.1994.TP27.Sal	28 Nov 2022	-	-	<1.0	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.10	<0.20	<0.10

Statistics

Number of Results	10	10	1	1	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Number of Detects	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	0.01	<0.01	<1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1
Maximum Concentration	1.5	0.03	<1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1
Average Concentration *	0.15	0.0075			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.05	0.1	0.05
Median Concentration *	0.005	0.005	0.5	0.25	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.05	0.1	0.05
Standard Deviation *	0.47	0.0079			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	0.429	0.0121			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.05	0.1	0.05
% of Detects	20	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	80	90	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

							Organophosphorous Pesticides						PCBs							Pesticides
		Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	DEF
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																				
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand																				
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																				
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																				
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				50		2,500	2,000													
Field ID	**Date**																			
21.1994.BR1	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.BR2	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.BR3	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.DS13.BR	**28 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP1.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP1.Natural	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP3.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP3.Natural	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP4.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP6.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP6.Natural	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP7.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP8.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP9.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP10.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP12.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP13.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP14.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP15.Fill	**16 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP16.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP16.Natural	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP17.Fill	**08 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP18.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP18.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP18Natural	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP19.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP19.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP20.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP20.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP21.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP21.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP21Natural	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP22.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP22.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP23.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP23.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP24.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP24.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP24Natural	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP25.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP25.Sal	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP25Natural	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP26.Fill	**28 Nov 2022**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10

							Organophosphorous Pesticides						PCBs							Pesticides
		Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Ethoprop	Methyl parathion	Ronnel	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	DEF
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
21.1994.TP26.Sal	28 Nov 2022	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP27.Fill	28 Nov 2022	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10
21.1994.TP27.Sal	28 Nov 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.10

Statistics

Number of Results	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Maximum Concentration	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Average Concentration *	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.05
Median Concentration *	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.05
Standard Deviation *	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95% UCL (Student's-t) *	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.05
% of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Non-Detects	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

		Acid Sulphate Soils - pH	TPH									
		pH-OX	C6-C9 Fraction		C10-C14 Fraction		C15-C28 Fraction		C29-C36 Fraction		C10-C36 Fraction (Sum)	C10-C36 Fraction (Sum)
		-	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
EQL			25	10	50	50	100	100	100	100	100	50
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil												
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand												
NEPM 2013 Table 1B(5) Generic EIL - Comm/Ind												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil												
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil												
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil												
Field ID	**Date**											
21.1994.BR1	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.BR2	**08 Nov 2022**	-	<25	-	<50	-	<100	-	155	-	155	-
21.1994.BR3	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.DS13.BR	**28 Nov 2022**	-	-	<10	-	<50	-	<100	-	<100	-	<50
21.1994.TP1.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP1.Natural	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP1.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP2.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP3.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP3.Natural	**08 Nov 2022**	-	<25	-	<50	-	209	-	127	-	336	-
21.1994.TP4.Fill	**08 Nov 2022**	-	<25	-	<50	-	131	-	<100	-	131	-
21.1994.TP4.Salinity	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP5.Fill	**08 Nov 2022**	-	<25	-	<50	-	154	-	<100	-	154	-
21.1994.TP6.Fill	**08 Nov 2022**	-	<25	-	<50	-	146	-	<100	-	146	-
21.1994.TP6.Natural	**08 Nov 2022**	-	<25	-	<50	-	145	-	<100	-	145	-
21.1994.TP7.Fill	**08 Nov 2022**	-	<25	-	<50	-	126	-	<100	-	126	-
21.1994.TP8.Fill	**08 Nov 2022**	-	<25	-	<50	-	102	-	<100	-	102	-
21.1994.TP9.Fill	**08 Nov 2022**	-	<25	-	<50	-	143	-	<100	-	143	-
21.1994.TP10.Fill	**08 Nov 2022**	-	<25	-	<50	-	105	-	<100	-	105	-
21.1994.TP10.Salin	**08 Nov 2022**	-	-	-	-	-	-	-	-	-	-	-
21.1994.TP11.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP12.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP13.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP14.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP15.Fill	**16 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP16.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP16.Natural	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP17.Fill	**08 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP18.Fill	**28 Nov 2022**	2.9	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP18.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP18Natural	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP19.Fill	**28 Nov 2022**	3.2	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP19.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP20.Fill	**28 Nov 2022**	3.0	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP20.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP21.Fill	**28 Nov 2022**	4.3	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP21.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP21Natural	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP22.Fill	**28 Nov 2022**	5.3	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP22.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP23.Fill	**28 Nov 2022**	4.9	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP23.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP24.Fill	**28 Nov 2022**	5.6	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP24.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP24Natural	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP25.Fill	**28 Nov 2022**	5.4	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP25.Sal	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP25Natural	**28 Nov 2022**	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP26.Fill	**28 Nov 2022**	3.1	<25	-	<50	-	<100	-	<100	-	<100	-

		Acid Sulphate Soils - pH	TPH									
		pH-OX	C6-C9 Fraction		C10-C14 Fraction		C15-C28 Fraction		C29-C36 Fraction		C10-C36 Fraction (Sum)	C10-C36 Fraction (Sum)
		-	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
21.1994.TP26.Sal	28 Nov 2022	-	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP27.Fill	28 Nov 2022	4.1	<25	-	<50	-	<100	-	<100	-	<100	-
21.1994.TP27.Sal	28 Nov 2022	-	<35	-	-	-	-	-	-	-	-	-
21.1994.TP28.Fill	28 Nov 2022	-	<25	-	<50	-	<100	-	<100	-	<100	-

Statistics

Number of Results	10	49	10	48	10	48	10	48	10	48	10
Number of Detects	10	0	0	0	0	9	1	2	1	10	1
Minimum Concentration	2.9	<25	<10	<50	<50	<100	<100	<100	<100	<100	<50
Maximum Concentration	5.6	<35	<10	<50	<50	209	400	155	450	336	860
Average Concentration *	4.2	13	5	25	25	67	85	54	90	72	108
Median Concentration *	4.2	12.5	5	25	25	50	50	50	50	50	25
Standard Deviation *	1.1	0.71	0	0	0	38	111	19	126	52	264
95% UCL (Student's-t) *	4.805	12.77	5	25	25	76.06	149.2	58.3	163.3	84.27	261.6
% of Detects	100	0	0	0	0	19	10	4	10	21	10
% of Non-Detects	0	100	100	100	100	81	90	96	90	79	90

* A Non Detect Multiplier of 0.5 has been applied.

Environmental Standards

NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay
2013, NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil
2013, NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil
2013, NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil

APPENDIX C - PHOTOGRAPHS

Photograph 1. Soil matrix throughout TP79. Date: 16.12.2021.

Photograph 2. Soil matrix throughout TP87. Date: 16.12.2021.

Photograph 3. Soil matrix throughout TP37. Date: 16.12.2021.

Photograph 4. Soil profile throughout TP62. Date: 15.12.2021.

Photograph 5. Soil matrix throughout TP27. Date: 20.12.2021.

Photograph 6. Fill materials throughout TP49. Date: 20.12.2021.

Photograph 7. Soil matrix throughout TP29. Date: 15.12.2021.

Photograph 8. Fill materials observed at TP65. Date: 15.12.2021.

APPENDIX D – TEST PIT LOGS

ADE CONSULTING GROUP
6/7 MILLENNIUM COURT SILVERWATER
NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP1

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296192 N 6252426

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP1 0-0.2	FM: plastics
E			0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, orange with gravels	M			TP1 0.2-0.7	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, brown with grey mottles, with trace gravels	M			TP1 0.7-1	
			1.5			TP1 terminated at 1m					
			2.0								
			2.5								
			3.0								

ADE_BOREHOLE / TESTPIT 21.1994_DSI1_LOGS.GPJ STC-2209-19098-AREA A.GPJ 16/2/22

ADE CONSULTING GROUP
6/7 MILLENNIUM COURT SILVERWATER
NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP2

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296361 N 6252443

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP2 0-0.2	FM: plastics
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, orange with gravels	M			TP2 0.2-1.3	
E			1.0		CL	**Silty CLAY**: Silty CLAY, low plasticity, grey with shale fragments	M			TP2 1.3-1.4	Weathered shale fragments
			1.5			TP2 terminated at 1.4m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP3

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296311 N 6252347

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with trace gravels	M			TP3 0-0.2	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, brown with grey and red mottles, with trace gravels	M			TP3 0.2-1.3	
			1.0								
			1.5			TP3 terminated at 1.3m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP4

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296442 N 6252310

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP4 0-0.2	
E					CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown with red	M			TP4 0.2-0.5	
			0.5								
E					CL	**Silty CLAY**: Silty CLAY, medium plasticity, grey with shale	M			TP4 0.5-1	Weathered shale fragments
			1.0								
						TP4 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP5

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 246518 N 6252301

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		CL	**TOPSOIL**: Silty CLAY, low plasticity, brown with trace gravels	M			TP5 0-0.5	
E			1.0		CL	**Silty CLAY**: Silty CLAY, low plasticity, red and grey with trace gravels	M			TP5 0.5-1	
			1.5			TP5 terminated at 1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP6

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296596 N 6252354

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP6 0-0.2	FM: plastics
E	No water encountered		0.5		OH	**CLAY**: CLAY, high plasticity, red	M			TP6 0.2-0.8	
E			1.0		OH	**CLAY**: CLAY, high plasticity, grey with shale	M			TP6 0.8-1	
			1.5			TP6 terminated at 1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP7

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296663 N 6252341

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP7 0-0.2	FM: plastics
E	No water encountered		0.5		OH	**CLAY**: CLAY, high plasticity, red	M			TP7 0.2-1.3	
			1.0								
			1.5			TP7 terminated at 1.3m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP8

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 286895 N 6252315

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, red with trace gravels	M			TP8 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red and grey mottled, with trace gravels	M			TP8 0.2-1.3	
			1.0								
						TP8 terminated at 1.3m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP9

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296801 N 6252289

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, red with trace gravels	M			TP9 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red and grey mottled, with trace gravels	M			TP9 0.2-0.7	
E			1.0		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red and grey mottled, with shale	M			TP9 0.7-1.5	
			1.5			TP9 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP10

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296192 N 6252426

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP10 0-0.2	FM: plastics
E			0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, orange with gravels	M			TP10 0.2-0.7	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, brown with grey mottles, with trace gravels	M			TP10 0.7-1	
			1.5			TP10 terminated at 1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP11

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296273 N 6252432

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E						**FILL**: Sandy GRAVEL, poorly graded, angular, brown	M			TP11 0-0.3	Burnt material on surface
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, orange with gravels	M			TP11 0.3-1.3	
E			1.0		CL	**Silty CLAY**: Silty CLAY, low plasticity, grey with shale fragments	M			TP11 1.3-1.4	
			1.5			TP11 terminated at 1.3m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP12

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296329 N 6252421

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown	M			TP12 0-0.3	Burnt material on surface, plastic, metal and waste materials observed
E			0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, orange with gravels	M			TP12 0.3-0.6	
						TP12 terminated at 0.6m					
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP13

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296468 N 6252414

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP13 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown with red and grey mottes	M			TP13 0.2-0.7	
			1.0			TP13 terminated at 0.7m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP14

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296507 N 6252386

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with black staining, with subangular gravels	M			TP14 0-0.2	FM: brick
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown with red and grey mottes	M			TP14 0.2-1.6	
			1.0								
			1.5								
						TP14 terminated at 1.6m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP15

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296608 N 6252384

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, red with trace gravels	M			TP15 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, red with trace gravels	M			TP15 0.3-1	
			1.0			TP15 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP16

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296636 N 6252377

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, red with trace gravels	M			TP16 0-0.4	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, red with trace gravels	M			TP16 0.4-1.9	
			1.0								
			1.5								
			2.0			TP16 terminated at 1.9m					
			2.5								
			3.0								

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TEST PIT NUMBER TP17

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296705 N 6253354

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, red with trace gravels	M			TP17 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red and grey mottled, with trace gravels	M			TP17 0.3-0.5	
E			1.0		CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown and grey mottled, with trace gravels	M			TP17 0.5-1	
			1.5			TP17 terminated at 1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP18

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 11/1/2022 **COMPLETED** 11/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296796 N 6252314

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered					**FILL**: Sandy GRAVEL, poorly graded, angular, brown and black	M			TP18 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red and grey mottled, with trace gravels	M			TP18 0.2-1.5	
			1.0								
			1.5			TP18 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP19

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296204 N 6252462

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: CLAY, medium plasticity, dark brown with trace gravels	M			TP19 0-0.3	FM: brick
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with grey and brown	M			TP19 0.3-1.4	
			1.0								
			1.5			TP19 terminated at 1.4m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP20

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296268 N 6252458

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, high plasticity, dark brown with trace gravels	M			TP20 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, high plasticity, orange and grey with trace gravels	M			TP20 0.3-1	
			1.0			TP20 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP21

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296342 N 6252446

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, medium plasticity, dark brown with trace gravels	M			TP21 0-0.2	FM: plastics
E	No water encountered		0.5		OH	**CLAY**: CLAY, high plasticity, orange and grey with trace gravels	M			TP21 0.2-1	
			1.0			TP21 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP22

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296364 N 6252444

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, high plasticity, dark brown with subangular gravels	M			TP22 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, brown with mottled grey, with subangular gravels	M			TP22 0.2-1	
			1.0			TP22 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP23

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 21/12/2021 **COMPLETED** 21/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296516 N 6252432

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP23 0-0.4	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, light brown with orange and grey staining, some shale fragments	M			TP23 0.4-1	Orange and grey staining
			1.0			TP23 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP24

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 21/12/2021 **COMPLETED** 21/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296575 N 6252427

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP24 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with light red staining	M			TP24 0.3-1	Red staining
			1.0			TP24 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP25

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 21/12/2021 **COMPLETED** 21/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296655 N 6252416

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP25 0-0.3	
E	No water encountered		0.5		CL	**CLAY**: CLAY, medium plasticity, orange with light red staining	M			TP25 0.3-1	Red staining
			1.0			TP25 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP26

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 21/12/2021 **COMPLETED** 21/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296748 N 6252406

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP26 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with light red staining	M			TP26 0.3-1	Red staining
			1.0			TP26 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP27

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 21/12/2021 **COMPLETED** 21/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296799 N 6252401

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP27 0-0.4	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with grey staining, some shale fragments	M			TP27 0.4-1	Small shale fragments, grey & orange staining
			1.0			TP27 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP28

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296273 N 6252578

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, medium plasticity, dark brown with trace gravels	M			TP28 0-0.2	FM: plastics
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, brown with grey and red mottles, with trace gravels	M			TP28 0.2-1	
			1.0			TP28 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP29

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296320 N 6252585

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: CLAY, medium plasticity, dark brown with orange	M			TP29 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, brown with red and grey mottles, trace gravels	M			TP29 0.3-1	
			1.0			TP29 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP30

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296387 N 6252574

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP30 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP30 0.3-1	
			1.0			TP30 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP31

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296488 N 6252879

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP31 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP31 0.3-1	
			1.0			TP31 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP32

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296597 N 6252564

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP32 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP32 0.3-1	
			1.0			TP32 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP33

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296713 N 6252346

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP33 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP33 0.2-1	
			1.0			TP33 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP34

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296771 N 6252544

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP34 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP34 0.3-1	
			1.0			TP34 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP35

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 10/1/2022 **COMPLETED** 10/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296867 N 6252551

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels, well sorted	M			TP35 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP35 0.2-1	
			1.0			TP35 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP36

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296321 N 6252610

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP36 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP36 0.3-0.8	Black and grey staining
E			1.0			**SHALE**: SHALE, medium sized sub angular gravels	M			TP36 0.8-1	Small - medium sub angular shale fragments
			1.5			TP36 terminated at 1m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP37

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296368 N 6252608

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP37 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP37 0.3-1	Black and grey staining
			1.0			TP37 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP38

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296417 N 6252602

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP38 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP38 0.2-1	Black and grey staining
			1.0			TP38 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP39

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296525 N 6252589

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		OH	**TOPSOIL**: CLAY, light grey and brown, hard	D			TP39 0-0.6	FM: concrete pipe and debris
			1.0 1.5 2.0 2.5 3.0			TP39 terminated at 0.6m					No natural recorded - burst pipe

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP40

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296592 N 6252588

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		OH	**TOPSOIL**: CLAY, light grey and brown, hard	M			TP40 0-0.6	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, light brown with grey	M			TP40 0.6-1	Grey and black staining
			1.5			TP40 terminated at 1m					
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP41

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296690 N 6252581

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		OH	**TOPSOIL**: CLAY, light grey and brown, hard	M			TP41 0-0.5	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, light brown with grey	M			TP41 0.5-1	Grey and black staining
			1.5			TP41 terminated at 1m					
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP42

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296759 N 6252579

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5			**FILL**: Silty SAND, fine to medium grain, dark grey, with fibrous organics and trace clay	M			TP42 0-0.5	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP42 0.5-1	Grey and black staining
			1.5			TP42 terminated at 1m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP43

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296839 N 6252571

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with orange	M			TP43 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange in colour	M			TP43 0.2-1	
			1.0			TP43 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP44

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296356 N 6252660

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP44 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP44 0.2-1	Grey and black staining
			1.0			TP44 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP45

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296431 N 6252655

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP45 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP45 0.2-1	
			1.0			TP45 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP46

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296475 N 6252650

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP46 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP46 0.3-1	
			1.0			TP46 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP47

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296531 N 6252651

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP47 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, red with white and grey staining with fine gravels	M			TP47 0.3-1	White and grey staining
			1.0			TP47 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP48

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296603 N 6252665

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP48 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, light brown with fine gravels	M			TP48 0.3-1	
			1.0			TP48 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP49

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** --- **DATUM** ---

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296660 N 6252645

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, light brown with small to medium gravels and cobbles	M			TP49 0-0.1	
						TP49 terminated at 0.1m					
			0.5								
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP50

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296758 N 6252631

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		SC	**TOPSOIL**: Clayey SAND, light brown with small to medium gravels and cobbles	M			TP50 0-0.1	
E					OH	**CLAY**: CLAY, medium plasticity, red with white and grey staining with fine gravels	M			TP50 0.1-1	White and grey staining
			1.0			TP50 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP51

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296810 N 6252626

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				OH	**TOPSOIL**: CLAY, medium plasticity, orange with black and grey staining					
			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, dark brown with orange	M			TP51 0.1-0.9	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP51 0.9-1	Grey and black staining
						TP51 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP52

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296460 N 6252745

TEST PIT SIZE 150mm **LOGGED BY** MK **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP52 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, red and grey mottling with shale and angular cobbles	M			TP52 0.3-1	
			1.0			TP52 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP53

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 20/12/2021 **COMPLETED** 20/12/2021 **R.L. SURFACE** --- **DATUM** ---

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296383 N 6252744

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with fine gravels	M			TP53 0-0.1	
						TP53 terminated at 0.1m					

0.5
1.0
1.5
2.0
2.5
3.0

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Telephone: 1300796922

TEST PIT NUMBER TP54

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 17/12/2021 **COMPLETED** 17/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296531 N 6252722

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E						**FILL**: Silty SAND, fine to medium grain, dark grey, well sorted with gravels	M			TP54 0-0.1	Potting mix fill material
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP54 0.1-1	Grey and black staining
			1.0			TP54 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP55

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 17/12/2021 **COMPLETED** 17/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296603 N 6252717

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E						**FILL**: Silty SAND, fine to medium grain, dark grey, well sorted with gravel	M			TP55 0-0.1	Potting mix fill material
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP55 0.1-1	Grey and black staining
			1.0			TP55 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP56

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 17/12/2021 **COMPLETED** 17/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296677 N 6252709

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered					**FILL**: Silty SAND, fine to medium grain, dark grey, well sorted with gravels	M			TP56 0-0.4	Potting mix fill material
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP56 0.4-1	Grey and black staining
			1.0			TP56 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP57

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 17/12/2021 **COMPLETED** 17/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296757 N 6252703

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E						**FILL**: Silty SAND, fine to medium grain, dark grey, well sorted with gravels	M			TP57 0-0.1	Potting mix fill material
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP57 0.1-1	Grey and black staining
			1.0			TP57 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

ADE CONSULTING GROUP
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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP58

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 17/12/2021 **COMPLETED** 17/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296830 N 6252696

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E						**FILL**: Silty SAND, fine to medium grain, dark grey, well sorted with gravels	M			TP58 0-0.1	Potting mix fill material
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP58 0.1-1	Grey and black staining
			1.0			TP58 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP59

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296366 N 6252799

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with small to medium gravels	D			TP59 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with white and grey staining	M			TP59 0.2-1	White and grey staining
			1.0			TP59 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP60

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296455 N 6252795

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with small angular gravels	M			TP60 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with white and grey staining	M			TP60 0.2-1	White and grey staining
			1.0			TP60 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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6/7 MILLENNIUM COURT SILVERWATER
NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP61

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296535 N 6252785

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with small angular gravels	M			TP61 0-0.3	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with grey mottling	M			TP61 0.3-1	
			1.0			TP61 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP62

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296612 N 6252775

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with small angular gravels	M			TP62 0-0.3	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with grey mottling	M			TP62 0.3-1	
			1.0			TP62 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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6/7 MILLENNIUM COURT SILVERWATER
NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP63

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296688 N 6252767

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, dark brown with small gravels	M			TP63 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with grey and black staining, fine gravels	M			TP63 0.2-1	Grey and black staining
			1.0			TP63 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP64

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296766 N 6252760

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP64 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP64 0.3-0.8	Grey and black staining
E			1.0			**SHALE**: SHALE, medium sized sub angular gravels	M			TP64 0.8-1	Shale
			1.5			TP64 terminated at 1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP65

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296847 N 6252752

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels				TP65 0-0.3	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP65 0.3-1	Grey and black staining
E			1.0			TP65 terminated at 1m	M				
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP66

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296456 N 6252889

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, light brown with small to medium gravels	M			TP66 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP66 0.2-1	Grey and black staining
			1.0			TP66 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP67

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296502 N 6252881

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP67 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP67 0.2-1	Grey and black staining
			1.0			TP67 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP68

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296554 N 6252874

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP68 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP68 0.3-1	Grey and black staining
			1.0			TP68 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP69

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296649 N 6252869

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP69 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP69 0.2-1	Grey and black staining
			1.0			TP69 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP70

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296712 N 6252865

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP70 0-0.4	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP70 0.4-1	Grey and black staining
			1.0			TP70 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP71

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296775 N 6252862

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP71 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP71 0.3-1	Grey and black staining
			1.0			TP71 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP72

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296869 N 6252858

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP72 0-0.4	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP72 0.4-1	Grey and black staining
			1.0			TP72 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP73

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296438 N 6252936

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP73 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP73 0.2-1	Grey and black staining
			1.0			TP73 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP74

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296457 N 6252952

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP74 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP74 0.2-1	Grey and black staining
			1.0			TP74 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP75

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 15/12/2021 **COMPLETED** 15/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296524 N 6252926

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP75 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP75 0.3-1	Grey and black staining
			1.0			TP75 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP76

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296534 N 6252945

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP76 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP76 0.3-1	Grey and black staining
			1.0			TP76 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP77

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296585 N 6252923

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP77 0-0.5	
E			1.0		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP77 0.5-1	Grey and black staining
			1.5			TP77 terminated at 1m					
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP78

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296595 N 6252942

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP78 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP78 0.3-1	Grey and black staining
			1.0			TP78 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP79

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296711 N 6252912

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP79 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP79 0.2-1	Grey and black staining
			1.0			TP79 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP80

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296721 N 6252926

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP80 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP80 0.2-1	Grey and black staining
			1.0			TP80 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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6/7 MILLENNIUM COURT SILVERWATER
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Telephone: 1300796922

TEST PIT NUMBER TP81

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296799 N 6252900

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP81 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP81 0.2-1	Grey and black staining
			1.0			TP81 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP82

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296807 N 6252916

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP82 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP82 0.2-1	Grey and black staining
			1.0			TP82 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP83

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296876 N 6252897

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP83 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP83 0.3-1	Grey and black staining
			1.0			TP83 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP84

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296886 N 6252911

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP84 0-0.2	
E	No water encountered		0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP84 0.2-1	Grey and black staining
			1.0			TP84 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP85

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296907 N 6252973

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP85 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP85 0.3-1	Grey and black staining
			1.0			TP85 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP86

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296857 N 6252976

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP86 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP86 0.3-1	Grey and black staining
			1.0			TP86 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP87

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296795 N 6252983

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, medium brown with small to medium gravels	M			TP87 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP87 0.3-1	Grey and black staining
			1.0			TP87 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP92

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 16/12/2021 **COMPLETED** 16/12/2021 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296373 N 6252956

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SC	**TOPSOIL**: Clayey SAND, dark brown with cobbles and gravels	M			TP92 0-0.3	FM: bricks
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with black and grey staining	M			TP92 0.3-1	Grey and black staining
			1.0			TP92 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

ADE_BOREHOLE / TESTPIT 21.1994_DSI1_LOGS.GPJ STC-2209-19098-AREA A.GPJ 16/2/22

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Telephone: 1300796922

TEST PIT NUMBER TP93

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296409 N 6253179

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP93 0-0.4	
E			0.5		OH	**CLAY**: CLAY, high plasticity, light brown, minor gravel	M			TP93 0.4-0.8	
E			1.0		OH	**CLAY**: CLAY, high plasticity, red with brown and grey	M			TP93 0.8-1.1	
			1.5			TP93 terminated at 1.1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP94

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296469 N 6253173

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP94 0-0.2	
E					OH	**CLAY**: CLAY, high plasticity, light brown, minor gravel	M			TP94 0.2-0.5	
E			0.5		OH	**CLAY**: CLAY, high plasticity, red with brown and grey	M			TP94 0.5-0.7	
						TP94 terminated at 0.7m					
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP95

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296538 N 6253181

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP95 0-0.1	
E					OH	**CLAY**: CLAY, high plasticity, red with brown and grey	M			TP95 0.1-0.5	
			0.5			TP95 terminated at 0.5m					
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP96

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296604 N 6253179

TEST PIT SIZE 150mm **LOGGED BY** RA **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				OH	**TOPSOIL**: CLAY, medium plasticity, dark brown	M			TP96 0-0.3	
E			0.5		OH	**CLAY**: CLAY, high plasticity, red, minor gravel	M			TP96 0.3-1.2	
E			1.0		OH	**CLAY**: CLAY, high plasticity, red with grey mottles, minor gravel	M			TP96 1.2-1.6	
			1.5			TP96 terminated at 1.6m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP97

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296647 N 6253166

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP97 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, grey and orange mottles	M			TP97 0.3-1.8	
			1.0								
			1.5			TP97 terminated at 1.8m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP98

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296722 N 6253160

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP98 0-0.3	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, grey and orange mottles	M			TP98 0.3-2.1	
			1.0								
			1.5								
			2.0			TP98 terminated at 2.1m					
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP99

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296788 N 6253150

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown with gravels	M			TP99 0-0.25	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with brown	M			TP99 0.25-1.5	
			1.0								
			1.5			TP99 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP100

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** ___ **DATUM** ___

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296854 N 6253147

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES ___

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP100 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP100 0.2-0.8	
E			1.0		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange brown, very weatherd shale	M			TP100 0.8-1.5	
			1.5			TP100 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP101

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296413 N 6253257

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					OH	**TOPSOIL**: CLAY, medium plasticity, dark brown, trace subangular gravels	M			TP101 0-0.4	FM: bricks
E	No water encountered		0.5		OH	**CLAY**: CLAY, high plasticity, light brown, minor gravel	M			TP101 0.4-1.8	
			1.0								
			1.5								
						TP101 terminated at 1.8m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP102

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296476 N 6253247

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		OH	**TOPSOIL**: CLAY, high plasticity, light brown, minor gravel	M			TP102 0-1.1	FM: tile shard and wood fragments
E			1.5		OH	**CLAY**: CLAY, high plasticity, red, minor sand	M			TP102 1.1-1.9	
			2.0			TP102 terminated at 1.9m					
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP103

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296535 N 6253237

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered		0.5		OH	**TOPSOIL**: CLAY, high plasticity, light brown, minor gravel	M			TP103 0-1.9	FM: bitumen, brick
E			2.0		OH	**CLAY**: CLAY, high plasticity, orange, minor gravel	M			TP103 1.9-2.1	
			2.5			TP103 terminated at 2.1m					
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP104

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 12/1/2022 **COMPLETED** 12/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296611 N 6253241

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP104 0-0.3	FM: plastics
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red with grey mottles, minor gravels	M			TP104 0.3-1.7	
			1.0								
			1.5			TP104 terminated at 1.7m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP105

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296689 N 6253254

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, light brown to orange	M			TP105 0-0.3	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, high plasticity, light brown	M			TP105 0.3-1	
			1.0			TP105 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP106

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296748 N 6253246

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP106 0-0.3	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP106 0.3-1.3	
			1.0			TP106 terminated at 1.3m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP107

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296799 N 6253247

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP107 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP107 0.2-0.8	
E			1.0		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange brown, hard rock with ironstone with eroding gravels	M			TP107 0.8-1.6	
			1.5								
			2.0			TP107 terminated at 1.6m					
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP108

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296832 N 6253238

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, high plasticity, orange with black	M			TP108 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP108 0.3-2.2	
			1.0								
			1.5								
			2.0								
						TP108 terminated at 2.2m					
			2.5								
			3.0								

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TEST PIT NUMBER TP109

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296412 N 6253317

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown, minor sandes with minor gravel	M			TP109 0-0.2	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange to grey with shale	M			TP109 0.2-1.1	
			1.0								
			1.5			TP109 terminated at 1.1m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP110

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296507 N 6253300

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown, minor sands with minor gravel	M			TP110 0-0.1	
E					CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown to orange	M			TP110 0.1-0.4	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown	M			TP110 0.4-1.3	
E			1.0		CL	**SHALE**: Shale, fine grained with clay infill	M			TP110 1.3-1.5	
			1.5			TP110 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP111

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296603 N 6253287

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP111 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, dark brown to orange	M			TP111 0.3-1.5	
			1.0								
			1.5			TP111 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP112

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296646 N 6253295

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP112 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, dark brown to orange with sands	M			TP112 0.3-2	
			1.0								
			1.5								
			2.0			TP112 terminated at 2m					
			2.5								
			3.0								

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TEST PIT NUMBER TP113

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296733 N 6253294

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with angular gravels	M			TP113 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red to grey mottles with ironstone gravels	M			TP113 0.3-2	
			1.0								
			1.5								
			2.0			TP113 terminated at 2m					
			2.5								
			3.0								

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TEST PIT NUMBER TP114

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296759 N 6253281

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with angular gravels	M			TP114 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP114 0.2-1.3	
			1.0								
						TP114 terminated at 1.3m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP115

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296815 N 6253271

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP115 0-0.1	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange	M			TP115 0.1-0.5	
E			1.0		CL	**Silty CLAY**: Silty CLAY, medium plasticity,yellow to orange	M			TP115 0.5-1.5	
E			1.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, yellow to grey mottles with degrade siltstone and ironstone gravels	M			TP115 1.5-2	
			2.0			TP115 terminated at 1.5m					
			2.5								
			3.0								

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TEST PIT NUMBER TP116

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296827 N 6253330

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown	M			TP116 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, light brown to orange	M			TP116 0.2-1.5	
			1.0								
			1.5			TP116 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP117

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296435 N 6253379

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown to orange with sands	M			TP117 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, lightbrown to grey with shale shards	M			TP117 0.2-1.8	
			1.0								
			1.5								
						TP117 terminated at 1.8m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP118

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296523 N 6253376

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown, minor sands with minor gravel	M			TP118 0-0.1	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, brown to orange	M			TP118 0.1-1.5	
			1.0								
			1.5			TP118 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP119

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296613 N 6253390

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown, minor sands with minor gravel	M			TP119 0-0.3	
E			0.5		CL	**CLAY**: CLAY, medium plasticity, light grey to orange, red ironstone	M			TP119 0.3-1.6	
			1.0								
			1.5								
						TP119 terminated at 1.6m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP120

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296684 N 6253386

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown, minor sands with minor gravel	M			TP120 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with minor sand	M			TP120 0.2-1.4	
			1.0								
E			1.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with ironstone gravels and gravels	M			TP120 1.4-1.6	
						TP120 terminated at 1.6m					
			2.0								
			2.5								
			3.0								

ADE_BOREHOLE / TESTPIT 21.1994_DSI1_LOGS.GPJ STC-2209-19098-AREA A.GPJ 16/2/22

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP122

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296782 N 6253362

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown with gravels	M			TP122 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with brown	M			TP122 0.3-1.5	
			1.0								
			1.5			TP122 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP123

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296845 N 6253365

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E					SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown with gravels	M			TP123 0-0.2	
E	No water encountered		0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with brown	M			TP123 0.2-1.7	
			1.0								
			1.5			TP123 terminated at 1.7m					
			2.0								
			2.5								
			3.0								

ADE_BOREHOLE / TESTPIT 21.1994_DSI1_LOGS.GPJ STC-2209-19098-AREA A.GPJ 16/2/22

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Telephone: 1300796922

TEST PIT NUMBER TP124

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 13/1/2022 **COMPLETED** 13/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296822 N 6253398

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown with gravels	M			TP124 0-0.3	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with minor gravels	M			TP124 0.3-0.6	
			1.0			TP124 terminated at 0.6m					
			1.5								
			2.0								
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP125

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296476 N 6253467

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with gravels and minor sands	M			TP125 0-0.2	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, light grey with orange, minor gravel	M			TP125 0.2-1.5	
			1.0								
			1.5			TP125 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

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TEST PIT NUMBER TP126

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296526 N 6253461

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with gravels and minor sands	M			TP126 0-0.1	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red with grey with gravels and minor sands	M			TP126 0.1-1.9	
			1.0								
			1.5								
			2.0			TP126 terminated at 1.9m					
			2.5								
			3.0								

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Telephone: 1300796922

TEST PIT NUMBER TP127

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296617 N 6253453

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with gravels and minor sands	M			TP127 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red with grey with gravels and minor sands	M			TP127 0.2-2.2	
			1.0								
			1.5								
			2.0								
						TP127 terminated at 2.2m					
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP128

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296698 N 6253448

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with gravels and minor sands	M			TP128 0-0.1	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, red with grey with gravels and minor sands	M			TP128 0.1-1	
			1.0			TP128 terminated at 1m					
			1.5								
			2.0								
			2.5								
			3.0								

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NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP129

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296749 N 6253447

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				CL	**TOPSOIL**: Silty CLAY, medium plasticity, dark brown with gravels and minor sands	M			TP129 0-0.3	
E			0.5		OH	**CLAY**: CLAY, medium plasticity, orange with red, minor gravel	M			TP129 0.3-1.2	
			1.0								
						TP129 terminated at 1.2m					
			1.5								
			2.0								
			2.5								
			3.0								

ADE CONSULTING GROUP
6/7 MILLENNIUM COURT SILVERWATER
NSW 2128
Telephone: 1300796922

TEST PIT NUMBER TP130

CLIENT Fife Capital **PROJECT NAME** Environmental Site Assessment

PROJECT NUMBER 21.1994 **PROJECT LOCATION** Aldington Road, Kemps Creek

DATE STARTED 14/1/2022 **COMPLETED** 14/1/2022 **R.L. SURFACE** _____ **DATUM** _____

EXCAVATION CONTRACTOR Fife Capital **SLOPE** --- **BEARING** n.a

EQUIPMENT Excavator **CO-ORDINATES** E 296795 N 6253441

TEST PIT SIZE 150mm **LOGGED BY** JH **CHECKED BY** GT

NOTES _____

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Moisture Content	Consistency	PID (ppm)	Samples Tests Remarks	Additional Observations
E	No water encountered				SM	**TOPSOIL**: Silty SAND, fine to medium grained, dark brown with gravels	M			TP130 0-0.2	
E			0.5		CL	**Silty CLAY**: Silty CLAY, medium plasticity, orange with brown	M			TP130 0.2-1.5	
			1.0								
			1.5			TP130 terminated at 1.5m					
			2.0								
			2.5								
			3.0								

APPENDIX E - CHAIN OF CUSTODY DOCUMENTATION AND ANALYTICAL REPORTS

ADE CONSULTING GROUP
SOLUTIONS THROUGH INNOVATION

ESA-F-02
Chain of Custody (Internal)

Plastic Trays

Date Printed: 20/12/2021

24 samples
-Tree 20/12

Document Revision Date: 30.06.2020

ESA-F-02 COC - Chain Of Custody (Internal: Sydney Laboratory Services)

PROJECT:	Fife Capital
PROJECT NUMBER - INVOICE NUMBER	21.1994-DSI1
SAMPLES DELIVERED BY:	ADE Consulting Group 6/7 Millennium Ct, Silverwater NSW 2128
SAMPLERS:	Misha Konarev, James Hilly
TURNAROUND:	24h: 48h: 72h: 5 WORKING DAYS: XXXX
SAMPLING DATE:	15/12/2021
AFTER TEST STORAGE:	ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ >4 WEEKS: ☐ OTHER: ☐
REPORT FORMAT:	HARD COPY: ☐ E-MAIL: X
CONSULTANTS SIGNATURE:	CONSULTANT E-MAIL: misha.konarev@ade.group james.hilly@ade.group
PROJECT MANAGERS SIGNATURE:	PROJECT MANAGERS E-MAIL: Hayden.Nancarrow@ade.group Matthew.Salmon@ade.group

ADE CONSULTING GROUP

LABORATORY REFERENCE NO. (Lab use ONLY):	2106416
RECEIVED BY: TREE	SIGNATURE: TT
SAMPLES: ☐ CHILLED: ☐ — PRESERVED: ☐ —	PRESERVATION METHOD: —
MINIMAL HEADSPACE: ☐ ✓ WITHIN HOLDING TIME: ☐ ✓	CUSTODY SEAL INTACT: ☐ —
DATE: 20/12/21 TIME: 12:00pm	TEMPERATURE UPON RECEIPT: — °C —
LIMS LOT NO. 2106416 LIMS/EXCEL SIGNATURE: [signature]	COMMENTS:

ANALYSES REQUIRED

NOTES

POTENTIAL HAZARDOUS CONTAMINANTS:
☐ ASBESTOS ☐ HYDROCARBONS
☐ LEAD/ARSENIC ☐ NO KNOWN CONTAMINATION
☐ OTHER:______

LAB PLEASE *EMAIL COC RECEIPT: ☐

2021642

LIMS Sample ID (Lab Use)	Sample ID (ADE)	MATRIX	SAMPLE DATE	TYPE & PRESERVATIVE	NO.	Standard Suite	PFAS- short suite	VOCs / sVOCs and phenols	NEPM	CEC / Clay Content	Sample Comments
514	TP39-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	1	X					
515	TP39-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	2	X					
~~516~~	~~TP39-natural-0.6~~	~~SOIL~~	~~17/12/2021~~	~~jar, plastic bag, PFAS~~	~~3~~	~~X~~					
517	TP39-BR1-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	4	X					
518	TP40-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	5	X					
519	TP41-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	6	X			X		
520	TP41-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	7	X					
521	TP42-fill-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	8	X					
522	TP43-fill-0.2	SOIL	17/12/2021	jar, plastic bag, PFAS	9	X					
523	TP43-fill-0.2	SOIL	17/12/2021	jar, plastic bag, PFAS	10	X					
524	TP43-natural-0.3	SOIL	17/12/2021	jar, plastic bag, PFAS	11	X					
525	TP51-fill-0.9	SOIL	17/12/2021	jar, plastic bag, PFAS	12	X	X	X	X		
526	TP51-natural-1.0	SOIL	17/12/2021	jar, plastic bag, PFAS	13	X					
527	TP58-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	14	X					
528	TP58-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	15	X					
529	TP57-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	16	X					
530	TP57-natural-0.2	SOIL	17/12/2021	jar, plastic bag, PFAS	17	X					
531	TP56-fill-0.4	SOIL	17/12/2021	jar, plastic bag, PFAS	18	X			X		
532	TP56-fill-0.4	SOIL	17/12/2021	jar, plastic bag, PFAS	19	X					
533	TP56-natural-0.5	SOIL	17/12/2021	jar, plastic bag, PFAS	20	X					
534	TP55-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	21	X					
535	TP54-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	22	X					
536	TP54-fill-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	23	X					
537	TP54-fill-0.2	SOIL	17/12/2021	jar, plastic bag, PFAS	24	X					
538	TP54-BR2-0.1	SOIL	17/12/2021	jar, plastic bag, PFAS	25	X					

Disregard line
-Tree 20/12

23/12/21

Comments:

Container Type and Preservative: P = Unpreserved Plastic; PN = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; PNA = Sodium Hydroxide Preserved Plastic; PC = HCl preserved Plastic; VC = Vial HCl Preserved; SP = Sulfuric Preserved Plastic;
VB = Vial Sodium Bisulphate Preserved; VS = Vial Sulfuric Preserved; V = Unpreserved Vial; G = Amber Glass Unpreserved; SG = Sulfuric Preserved Amber Glass; F = Formaldehyde Preserved Glass; HS = HCl preserved Speciation bottle; Z = Zinc Acetate Preserved Bottle;
E = EDTA Preserved Bottle; ST = Sterile Bottle; J = Unpreserved Glass Jar; ASS = Plastic Bag for Acid Sulfate Soils; B = Unpreserved Bag.

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Sydney Laboratory Services

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Silverwater 2128
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Accreditation No.14664
Accredited for compliance with ISO/IEC 17025 - Testing.

This certificate of analysis contains General Comments and Analytical Results. Quality Control Report and Laboratory Quality Acceptance Criteria have been issued separately.

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

This report has been electronically signed by authorised signatories below.

Authorised By

Kaiyu Li

General Comments

Samples are analysed on as received basis. Sampling is not covered by NATA accreditation.

Where moisture determination has been performed, results are reported on dry weight basis.

Where the PQL of reported result differs from standard PQL, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Samples were analysed within holding time described by laboratory internal procedures if not stated otherwise. If samples delivered do not meet required analytical criteria, results will be marked with ^.

However surrogate standards are added to samples, results are not corrected for standards recoveries.

Analysis of VOC in water samples are performed on unfiltered waters (as received) spiked with surrogates and injection standards only.

SLS is responsible for all the information in the report, except that provided by the customer.

All sampling information included in the report has been provided by customer.

Information provided by the customer can affect the validity of the results.

Certificate of Analysis

Contact:	Hayden Nancarrow	**Date Reported:**	23/12/2021
Customer:	ADE Consulting Group	**No. of Samples:**	24
Address:	Unit 6 7 Millennium Court Silverwater NSW	**Date Received:**	20/12/2021
		Date of Analysis:	20/12/2021

Cust Ref: 21.1994-DSI1

Glossary:

*NATA accreditation does not cover the performance of this service
ND-not detected,
NT-not tested
INS-Insufficient material to perform the test
LCS-Laboratory Control Sample
RPD-Relative Percent Difference
N/A-Not Applicable
< less than
> greater than
PQL- Practical Quantitation Limit
^Analytical result might be compromised due to sample condition or holding time requirements
Reaction rate 1 = Slight
Reaction rate 2 = Moderate
Reaction rate 3 = High
Reaction rate 4 = Vigorous

Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
ESA-P-ORG7 & ORG8												
Benzene	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-
Toluene	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-
Ethylbenzene	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
m.p Xylene	mg/kg	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
o Xylene	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Sum of BTEX	mg/kg	2	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	-
Total Xylenes	mg/kg	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Fluorobenzene (Surr.)	%		91	114	93	133	122	133	90	86	99	101	-
C6-C10	mg/kg	35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	-
C6-C10 minus BTEX	mg/kg	35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	-
C6-C9	mg/kg	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	-
ESA-MP-01,ICP-01												
Arsenic	mg/kg	5	15.8	8.8	15.3	<5.0	<5.0	<5.0	<5.0	6.0	16.6	15.1	6.8
Cadmium	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	mg/kg	5	12.4	12.5	13.6	9.5	9.6	10.3	9.6	12.2	17.9	11.8	12.7
Copper	mg/kg	5	38.2	23.0	46.0	7.7	212.3	167.8	27.0	23.6	19.6	37.7	78.2
Lead	mg/kg	10	82.5	33.0	72.0	<10.0	14.8	20.0	<10.0	11.1	15.0	15.7	14.0
Mercury	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.37	0.23	<0.20	<0.20	<0.20
Nickel	mg/kg	10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.5	21.9	34.7
Zinc	mg/kg	5	133.3	75.0	101.3	32.7	529.6	439.3	41.0	61.3	44.9	89.9	65.4
ESA-P-12												
% Moisture Content	%		15.2	22.5	14.6	24.2	24.2	23.4	64.4	35.2	24.1	20.4	6.3
ESA-P-ORG(12 - 15)												
Acenaphthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Acenaphthylene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30

Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
Anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[a]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[a]pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[b]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[g,h,i]perylene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[k]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chrysene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dibenzo[a,h]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Fluorene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Indeno(1,2,3-cd)pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Naphthalene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Phenanthrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Sum of Positive PAHs	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo(a)pyrene TEQ (Zero)	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo(a)pyrene TEQ (Half PQL)	mg/kg	0.3	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Benzo(a)pyrene TEQ (PQL)	mg/kg	0.3	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
p-Terphenyl-d14 (Surr.)	%		125	124	121	122	125	114	133	121	122	119	94
aldrin	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
a-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
b-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
d-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
g-BHC (lindane)	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
cis-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
trans-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
4,4'-DDD	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDE	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDT	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
dieldrin	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endosulfan I	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endosulfan II	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endosulfan sulfate	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endrin	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endrin aldehyde	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endrin ketone	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
heptachlor	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
heptachlor epoxide	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
hexachlorobenzene	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
methoxychlor	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TCMX (Surr.)	%		84	84	81	82	106	118	136	81	81	80	79
chlorpyrifos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
chlorpyrifos methyl	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
diazinon	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
fenchlorphos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
methyl parathion	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
prophos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
tributylphosphorotrithioite	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aroclor 1016	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1221	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1232	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1242	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
Aroclor 1248	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1254	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1260	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-fluorobiphenyl (Surr.)	%		68	68	65	66	84	95	112	65	65	63	87

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Unit 4/10-11 Millennium Court
Silverwater 2128
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Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
ESA-P-ORG16												
PFBA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFPeA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFBS	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFHxA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFPeS	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFHpA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFOA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFHpS	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFOS	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFDA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFUdA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFDoA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFTrDA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFTeDA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFNA	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
PFHxS	ug/kg	5	-	-	-	-	-	-	-	-	-	<5
MPFBA (Surr.)	%		-	-	-	-	-	-	-	-	-	85
M3PFBS (Surr.)	%		-	-	-	-	-	-	-	-	-	90
MPFOS (Surr.)	%		-	-	-	-	-	-	-	-	-	102
MPFHxA (Surr.)	%		-	-	-	-	-	-	-	-	-	84
MPFOA (Surr.)	%		-	-	-	-	-	-	-	-	-	119
MPFUdA (Surr.)	%		-	-	-	-	-	-	-	-	-	123

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	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
ESA-P-ORG17												
Phenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
2-Chlorophenol	mg/kg	0.1	-	-	-	-	-	-	-	-	-	<0.10
2-Methylphenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
3/4-Methylephenol	mg/kg	0.4	-	-	-	-	-	-	-	-	-	<0.40
2-Nitrophenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
2,4-Dimethylphenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
2,4-Dichlorophenol	mg/kg	0.05	-	-	-	-	-	-	-	-	-	<0.050
2,6-Dichlorophenol	mg/kg	0.05	-	-	-	-	-	-	-	-	-	<0.050
3-Methyl,4-Chlorophenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
2,4,6-Trichlorophenol	mg/kg	0.05	-	-	-	-	-	-	-	-	-	<0.050
2,4,5-Trichlorophenol	mg/kg	0.05	-	-	-	-	-	-	-	-	-	<0.050
2,4-Dinitrophenol	mg/kg	4	-	-	-	-	-	-	-	-	-	<4.0
4-Nitrophenol	mg/kg	4	-	-	-	-	-	-	-	-	-	<4.0
2,3,5,6-Tetrachlorophenol	mg/kg	0.1	-	-	-	-	-	-	-	-	-	<0.10
2,3,4,5-Tetrachlorophenol	mg/kg	0.1	-	-	-	-	-	-	-	-	-	<0.10
2,3,4,6-Tetrachlorophenol	mg/kg	0.1	-	-	-	-	-	-	-	-	-	<0.10
2-Methyl-4,6-dinitrophenol	mg/kg	2	-	-	-	-	-	-	-	-	-	<2.0
Pentachlorophenol	mg/kg	0.2	-	-	-	-	-	-	-	-	-	<0.20
Dinoseb	mg/kg	5	-	-	-	-	-	-	-	-	-	<5.0
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	5	-	-	-	-	-	-	-	-	-	<5.0
Sum of Positive Phenols	mg/kg	0.05	-	-	-	-	-	-	-	-	-	<0.050
Phenol-d6 (Surr.)	%		-	-	-	-	-	-	-	-	-	105
2-Chlorophenol-d4 (Surr.)	%		-	-	-	-	-	-	-	-	-	97

Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
ESA-P-ORG(3,8)												
>C10-C16	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C16-C34	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C34-C40	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C10-C40 (Sum of total)	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C10-C14	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C15-C28	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C29-C36	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C10-C36 (Sum of total)	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
ESA-P-ORG07 & ORG08												
Benzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Toluene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Ethylbenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
m.p Xylene	mg/kg	1	-	-	-	-	-	-	-	-	-	<1.0
o Xylene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Sum of BTEX	mg/kg	1	-	-	-	-	-	-	-	-	-	<1.0
Total Xylenes	mg/kg	1	-	-	-	-	-	-	-	-	-	<1.0
Styrene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Sum of MAHs	mg/kg	1	-	-	-	-	-	-	-	-	-	<1.0
vNaphthalene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
C6-C9 Conc.	mg/kg	35	-	-	-	-	-	-	-	-	-	<35
C6-C10 Conc.	mg/kg	35	-	-	-	-	-	-	-	-	-	<35
C6-C10 minus BTEX (F1)	mg/kg	35	-	-	-	-	-	-	-	-	-	<35
Vinyl Chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
trans-1,2-Dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Methylene chloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50

Certificate of Analysis

	Sample ID:	2021042514	2021042515	2021042517	2021042518	2021042519	2021042520	2021042521	2021042522	2021042523	2021042524	2021042525
	Sample Name	TP39-fill-0.5	TP39-fill-0.5	TP39-BR1-0.5	TP40-fill-0.5	TP41-fill-0.5	TP41-fill-0.5	TP42-fill-0.5	TP43-fill-0.2	TP43-fill-0.2	TP43-natural-0.3	TP51-fill-0.9
Parameter	*Units*	*PQL*										
cis-1,2-Dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Bromochloromethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Chloroform	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,1,1-Trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,2-Dichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Carbon tetrachloride	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,1,2-Trichloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Tetrachloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,1,1,2-Tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,1,2,2-Tetrachloroethane	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,2-Dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,4-Dichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,2,4-Trichlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Hexachlorobutadiene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
1,1-Dichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Trichloroethene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Chlorobenzene	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Sum of Chlorinated Hydrocarbons	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Other Chlorinated Hydrocarbon	mg/kg	0.5	-	-	-	-	-	-	-	-	-	<0.50
Toluene-d8 (Surr.)	%		-	-	-	-	-	-	-	-	-	90
1,2-Dichloroethane-d4 (Surr.)	%		-	-	-	-	-	-	-	-	-	100
4-Bromofluorobenzene (BFB) (Surr.)	%		-	-	-	-	-	-	-	-	-	125
Trifluorotoluene (Surr.)	%		-	-	-	-	-	-	-	-	-	129

Certificate of Analysis

	Sample ID:	2021042526	2021042527	2021042528	2021042529	2021042530	2021042531	2021042532	2021042533	2021042534	2021042535	2021042536
	Sample Name	TP51-natural-1.0	TP58-fill-0.1	TP58-fill-0.1	TP57-fill-0.1	TP57-natural-0.2	TP56-fill-0.4	TP56-fill-0.4	TP56-natural-0.5	TP55-fill-0.1	TP54-fill-0.1	TP54-fill-0.1
Parameter	*Units*	*PQL*										
ESA-P-ORG7 & ORG8												
Benzene	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m.p Xylene	mg/kg	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o Xylene	mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sum of BTEX	mg/kg	2	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
Total Xylenes	mg/kg	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Fluorobenzene (Surr.)	%		91	106	103	87	106	95	91	107	92	97	87
C6-C10	mg/kg	35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
C6-C10 minus BTEX	mg/kg	35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35	<35
C6-C9	mg/kg	25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
ESA-MP-01,ICP-01												
Arsenic	mg/kg	5	20.7	<5.0	<5.0	<5.0	11.9	<5.0	<5.0	12.3	<5.0	20.8	17.3
Cadmium	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	mg/kg	5	13.4	<5.0	<5.0	8.1	9.3	8.8	10.2	<5.0	25.7	27.2	28.8
Copper	mg/kg	5	24.9	44.5	45.5	141.6	26.0	78.3	57.9	14.1	21.6	21.4	20.9
Lead	mg/kg	10	13.3	<10.0	<10.0	<10.0	<10.0	<10.0	10.6	<10.0	151.1	28.6	23.8
Mercury	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Nickel	mg/kg	10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	13.4	11.6
Zinc	mg/kg	5	42.1	73.8	113.0	94.8	48.4	107.1	84.5	<5.0	194.3	66.5	51.4
ESA-P-12												
% Moisture Content	%		19.7	29.5	23.8	38.0	17.3	24.1	22.5	18.6	15.3	15.7	15.7
ESA-P-ORG(12 - 15)												
Acenaphthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Acenaphthylene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30

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Silverwater 2128
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Certificate of Analysis

	Sample ID:	2021042526	2021042527	2021042528	2021042529	2021042530	2021042531	2021042532	2021042533	2021042534	2021042535	2021042536
	Sample Name	TP51-natural-1.0	TP58-fill-0.1	TP58-fill-0.1	TP57-fill-0.1	TP57-natural-0.2	TP56-fill-0.4	TP56-fill-0.4	TP56-natural-0.5	TP55-fill-0.1	TP54-fill-0.1	TP54-fill-0.1
Parameter	*Units*	*PQL*										
Anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[a]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[a]pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[b]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[g,h,i]perylene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo[k]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chrysene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dibenzo[a,h]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Fluorene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Indeno(1,2,3-cd)pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Naphthalene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Phenanthrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Pyrene	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Sum of Positive PAHs	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo(a)pyrene TEQ (Zero)	mg/kg	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Benzo(a)pyrene TEQ (Half PQL)	mg/kg	0.3	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Benzo(a)pyrene TEQ (PQL)	mg/kg	0.3	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
p-Terphenyl-d14 (Surr.)	%		112	132	113	118	122	135	129	121	128	121	99
aldrin	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
a-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
b-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
d-BHC	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
g-BHC (lindane)	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
cis-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
trans-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certificate of Analysis

	Sample ID:	2021042526	2021042527	2021042528	2021042529	2021042530	2021042531	2021042532	2021042533	2021042534	2021042535	2021042536
	Sample Name	TP51-natural-1.0	TP58-fill-0.1	TP58-fill-0.1	TP57-fill-0.1	TP57-natural-0.2	TP56-fill-0.4	TP56-fill-0.4	TP56-natural-0.5	TP55-fill-0.1	TP54-fill-0.1	TP54-fill-0.1
Parameter	*Units*	*PQL*										
4,4'-DDD	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDE	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
4,4'-DDT	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
dieldrin	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endosulfan I	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endosulfan II	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endosulfan sulfate	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endrin	mg/kg	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
endrin aldehyde	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
endrin ketone	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
heptachlor	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
heptachlor epoxide	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
hexachlorobenzene	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
methoxychlor	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TCMX (Surr.)	%		76	123	133	99	85	108	88	82	89	82	81
chlorpyrifos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
chlorpyrifos methyl	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
diazinon	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
fenchlorphos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
methyl parathion	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
prophos	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
tributylphosphorotrithioite	mg/kg	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aroclor 1016	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1221	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1232	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1242	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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Certificate of Analysis

	Sample ID:	2021042526	2021042527	2021042528	2021042529	2021042530	2021042531	2021042532	2021042533	2021042534	2021042535	2021042536
	Sample Name	TP51-natural-1.0	TP58-fill-0.1	TP58-fill-0.1	TP57-fill-0.1	TP57-natural-0.2	TP56-fill-0.4	TP56-fill-0.4	TP56-natural-0.5	TP55-fill-0.1	TP54-fill-0.1	TP54-fill-0.1
Parameter	***Units***	***PQL***										
Aroclor 1248	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1254	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Aroclor 1260	mg/kg	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-fluorobiphenyl (Surr.)	%		61	97	121	80	65	86	69	65	69	65	90
ESA-P-ORG(3,8)												
>C10-C16	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C16-C34	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C34-C40	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C10-C40 (Sum of total)	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C10-C14	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
>C15-C28	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C29-C36	mg/kg	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
>C10-C36 (Sum of total)	mg/kg	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

Certificate of Analysis

	Sample ID:	2021042537	2021042538
	Sample Name	TP54-fill-0.2	TP54-BR2-0.1
Parameter	Units	PQL	
ESA-P-ORG7 & ORG8			
Benzene	mg/kg	0.5	<0.50	<0.50
Toluene	mg/kg	0.5	<0.50	<0.50
Ethylbenzene	mg/kg	1	<1.0	<1.0
m.p Xylene	mg/kg	2	<2.0	<2.0
o Xylene	mg/kg	1	<1.0	<1.0
Sum of BTEX	mg/kg	2	<2.00	<2.00
Total Xylenes	mg/kg	2	<2.0	<2.0
Fluorobenzene (Surr.)	%		129	125
C6-C10	mg/kg	35	<35	<35
C6-C10 minus BTEX	mg/kg	35	<35	<35
C6-C9	mg/kg	25	<25	<25
ESA-MP-01,ICP-01			
Arsenic	mg/kg	5	27.2	34.8
Cadmium	mg/kg	0.3	<0.30	<0.30
Chromium	mg/kg	5	17.5	40.0
Copper	mg/kg	5	16.0	19.6
Lead	mg/kg	10	14.3	78.1
Mercury	mg/kg	0.2	<0.20	<0.20
Nickel	mg/kg	10	<10.0	11.1
Zinc	mg/kg	5	14.2	75.9
ESA-P-12			
% Moisture Content	%		19.0	16.3
ESA-P-ORG(12 - 15)			
Acenaphthene	mg/kg	0.3	<0.30	<0.30
Acenaphthylene	mg/kg	0.3	<0.30	<0.30

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Certificate of Analysis

	Sample ID:	2021042537	2021042538
	Sample Name	TP54-fill-0.2	TP54-BR2-0.1
Parameter	Units	PQL	
Anthracene	mg/kg	0.3	<0.30	<0.30
Benzo[a]anthracene	mg/kg	0.3	<0.30	<0.30
Benzo[a]pyrene	mg/kg	0.3	<0.30	<0.30
Benzo[b]fluoranthene	mg/kg	0.3	<0.30	<0.30
Benzo[g,h,i]perylene	mg/kg	0.3	<0.30	<0.30
Benzo[k]fluoranthene	mg/kg	0.3	<0.30	<0.30
Chrysene	mg/kg	0.3	<0.30	<0.30
Dibenzo[a,h]anthracene	mg/kg	0.3	<0.30	<0.30
Fluoranthene	mg/kg	0.3	<0.30	<0.30
Fluorene	mg/kg	0.3	<0.30	<0.30
Indeno(1,2,3-cd)pyrene	mg/kg	0.3	<0.30	<0.30
Naphthalene	mg/kg	0.3	<0.30	<0.30
Phenanthrene	mg/kg	0.3	<0.30	<0.30
Pyrene	mg/kg	0.3	<0.30	<0.30
Sum of Positive PAHs	mg/kg	0.3	<0.30	<0.30
Benzo(a)pyrene TEQ (Zero)	mg/kg	0.3	<0.30	<0.30
Benzo(a)pyrene TEQ (Half PQL)	mg/kg	0.3	0.36	0.36
Benzo(a)pyrene TEQ (PQL)	mg/kg	0.3	0.73	0.73
p-Terphenyl-d14 (Surr.)	%		93	89
aldrin	mg/kg	0.1	<0.10	<0.10
a-BHC	mg/kg	0.1	<0.10	<0.10
b-BHC	mg/kg	0.1	<0.10	<0.10
d-BHC	mg/kg	0.1	<0.10	<0.10
g-BHC (lindane)	mg/kg	0.1	<0.10	<0.10
cis-chlordane	mg/kg	0.1	<0.10	<0.10
trans-chlordane	mg/kg	0.1	<0.10	<0.10

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Certificate of Analysis

	Sample ID:	2021042537	2021042538
	Sample Name	TP54-fill-0.2	TP54-BR2-0.1
Parameter	Units	PQL	
4,4'-DDD	mg/kg	0.1	<0.10	<0.10
4,4'-DDE	mg/kg	0.1	<0.10	<0.10
4,4'-DDT	mg/kg	0.1	<0.10	<0.10
dieldrin	mg/kg	0.1	<0.10	<0.10
endosulfan I	mg/kg	0.2	<0.20	<0.20
endosulfan II	mg/kg	0.2	<0.20	<0.20
endosulfan sulfate	mg/kg	0.1	<0.10	<0.10
endrin	mg/kg	0.2	<0.20	<0.20
endrin aldehyde	mg/kg	0.1	<0.10	<0.10
endrin ketone	mg/kg	0.1	<0.10	<0.10
heptachlor	mg/kg	0.1	<0.10	<0.10
heptachlor epoxide	mg/kg	0.1	<0.10	<0.10
hexachlorobenzene	mg/kg	0.1	<0.10	<0.10
methoxychlor	mg/kg	0.1	<0.10	<0.10
TCMX (Surr.)	%		77	74
chlorpyrifos	mg/kg	0.1	<0.10	<0.10
chlorpyrifos methyl	mg/kg	0.1	<0.10	<0.10
diazinon	mg/kg	0.1	<0.10	<0.10
fenchlorphos	mg/kg	0.1	<0.10	<0.10
methyl parathion	mg/kg	0.1	<0.10	<0.10
prophos	mg/kg	0.1	<0.10	<0.10
tributylphosphorotrithioite	mg/kg	0.1	<0.10	<0.10
Aroclor 1016	mg/kg	0.5	<0.50	<0.50
Aroclor 1221	mg/kg	0.5	<0.50	<0.50
Aroclor 1232	mg/kg	0.5	<0.50	<0.50
Aroclor 1242	mg/kg	0.5	<0.50	<0.50

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Certificate of Analysis

	Sample ID:	2021042537	2021042538
	Sample Name	TP54-fill-0.2	TP54-BR2-0.1
Parameter	Units	PQL	
Aroclor 1248	mg/kg	0.5	<0.50	<0.50
Aroclor 1254	mg/kg	0.5	<0.50	<0.50
Aroclor 1260	mg/kg	0.5	<0.50	<0.50
2-fluorobiphenyl (Surr.)	%		85	83
ESA-P-ORG(3,8)				
>C10-C16	mg/kg	50	<50	<50
>C16-C34	mg/kg	100	<100	<100
>C34-C40	mg/kg	100	<100	<100
>C10-C40 (Sum of total)	mg/kg	50	<50	<50
>C10-C14	mg/kg	50	<50	<50
>C15-C28	mg/kg	100	<100	<100
>C29-C36	mg/kg	100	<100	<100
>C10-C36 (Sum of total)	mg/kg	50	<50	<50

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Accreditation No.14664
Accredited for compliance with ISO/IEC 17025 - Testing.

This Quality Control Report contains results of QAQC samples analysis and the Laboratory Acceptance Criteria.

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

This report has been electronically signed by authorised signatories below.

Authorised By

Kaiyu Li

General Comments

Duplicate samples and matrix spike may not be prepared on smaller jobs, however are analysed at frequency. QAQC samples shown within the report as e.g. Batch Blank, Batch Matrix Spike were performed on samples not reported on that Certificate of Analysis.

Blank This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in the same manner as for samples.
Duplicate This is the interlaboratory split of a random sample from the processed batch
Matrix Spike A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class.
Surr. (Surrogate Spike) Surrogates are known additions to each sample, blank and matrix spike or LCS in a batch. Surrogates are chosen as a compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Blank shall be < PQL
Matrix Spikes and LCS: Generally 70-130% for inorganics/metals/PFAS, 60-140% for organics is acceptable. Matrix heterogeneity may result in matrix spike analyses falling outside these limits
RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150%

SLS is responsible for all the information in the report, except that provided by the customer.

All sampling information included in the report has been provided by customer.

Information provided by the customer can affect the validity of the results.

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Quality Control Report

Contact:	Hayden Nancarrow	**Date Reported:**	23/12/2021
Customer:	ADE Consulting Group	**No. of Samples:**	64
Address:	Unit 6 7 Millennium Court Silverwater NSW	**Date Received:**	20/12/2021
		Date of Analysis:	20/12/2021

Cust Ref: 21.1994-DSI1

Glossary:

*NATA accreditation does not cover the performance of this service
ND-not detected,
NT-not tested
INS-Insufficient material to perform the test
LCS-Laboratory Control Sample
RPD-Relative Percent Difference
N/A-Not Applicable
< less than
> greater than
PQL- Practical Quantitation Limit
^Analytical result might be compromised due to sample condition or holding time requirements
Reaction rate 1 = Slight
Reaction rate 2 = Moderate
Reaction rate 3 = High
Reaction rate 4 = Vigorous

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Quality Control Report

Sample ID:	D202104113901
Sample Name	WAC6-TP10-A-D

Parameter	*Units*	*PQL*	
ESA-P-ORG16			
PFBA			Pass
PFPeA			Pass
PFBS			Pass
PFHxA			Pass
PFPeS			Pass
PFHpA			Pass
PFOA			Pass
PFHpS			Pass
PFOS			Pass
PFDA			Pass
PFUdA			Pass
PFDoA			Pass
PFTrDA			Pass
PFTeDA			Pass
PFNA			Pass
PFHxS			Pass
MPFBA	%		83
M3PFBS	%		88
MPFOS	%		106
MPFHxA	%		79
MPFOA	%		104
MPFUdA	%		86

Sample ID:	D202104122504
Sample Name	TP1-1.0

Parameter	*Units*	*PQL*	
ESA-P-ORG17			
Phenol			Pass

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2-Chlorophenol			Pass
2-Methylphenol			Pass
3/4-Methylephenol			Pass
2-Nitrophenol			Pass
2,4-Dimethylphenol			Pass
2,4-Dichlorophenol			Pass
2,6-Dichlorophenol			Pass
3-Methyl,4-Chlorophenol			Pass
2,4,6-Trichlorophenol			Pass
2,4,5-Trichlorophenol			Pass
2,4-Dinitrophenol			Pass
4-Nitrophenol			Pass
2,3,5,6-Tetrachlorophenol			Pass
2,3,4,5-Tetrachlorophenol			Pass
2,3,4,6-Tetrachlorophenol			Pass
2-Methyl-4,6-dinitrophenol			Pass
Pentachlorophenol			Pass
Dinoseb			Pass
2-Cyclohexyl-4,6-dinitrophenol			Pass
Phenol-d6	%		123
2-Chlorophenol-d4	%		117

Sample ID:	**D202104209501**
Sample Name	**WAC2-TP2**

Parameter	*Units*	*PQL*	
ESA-P-ORG7 & ORG8			
Benzene			Pass
Toluene			Pass
Ethylbenzene			Pass
m.p Xylene			Pass
o Xylene			Pass
Styrene			Pass
vNaphthalene			Pass
C6-C9			Pass

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C6-C10			Pass
Vinyl Chloride			Pass
trans-1,2-Dichloroethene			Pass
Methylene chloride			Pass
cis-1,2-Dichloroethene			Pass
Bromochloromethane			Pass
Chloroform			Pass
1,1,1-Trichloroethane			Pass
1,2-Dichloroethane			Pass
Carbon tetrachloride			Pass
1,1,2-Trichloroethane			Pass
Tetrachloroethene			Pass
1,1,1,2-Tetrachloroethane			Pass
1,1,2,2-Tetrachloroethane			Pass
1,2-Dichlorobenzene			Pass
1,4-Dichlorobenzene			Pass
1,2,4-Trichlorobenzene			Pass
Hexachlorobutadiene			Pass
1,1-Dichloroethene			Pass
Trichloroethene			Pass
Chlorobenzene			Pass
Toluene-d8	%		119
1,2-Dichloroethane-d4	%		100
4-Bromofluorobenzene (BFB)	%		117
Trifluorotoluene (Surr.)	%		124

Sample ID: **D202104216601**

Sample Name **WAC1-TP4-D**

Parameter	*Units*	*PQL*	
ESA-P-ORG7 & ORG8			
Benzene			Pass
Toluene			Pass
Ethylbenzene			Pass

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m.p Xylene			Pass
o Xylene			Pass
Styrene			Pass
vNaphthalene			Pass
C6-C9			Pass
C6-C10			Pass
Vinyl Chloride			Pass
trans-1,2-Dichloroethene			Pass
Methylene chloride			Pass
cis-1,2-Dichloroethene			Pass
Bromochloromethane			Pass
Chloroform			Pass
1,1,1-Trichloroethane			Pass
1,2-Dichloroethane			Pass
Carbon tetrachloride			Pass
1,1,2-Trichloroethane			Pass
Tetrachloroethene			Pass
1,1,1,2-Tetrachloroethane			Pass
1,1,2,2-Tetrachloroethane			Pass
1,2-Dichlorobenzene			Pass
1,4-Dichlorobenzene			Pass
1,2,4-Trichlorobenzene			Pass
Hexachlorobutadiene			Pass
1,1-Dichloroethene			Pass
Trichloroethene			Pass
Chlorobenzene			Pass
Toluene-d8	%		110
1,2-Dichloroethane-d4	%		108
4-Bromofluorobenzene (BFB)	%		110
Trifluorotoluene (Surr.)	%		109

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	Sample ID:	D202104229501	D202104250201	D202104251504	D202104252501
	Sample Name	14 Teeswater-TP2	WAC1-TP5	TP39-fill-0.5	TP51-fill-0.9
Parameter	Units	PQL			
ESA-MP-01,ICP-01					
Arsenic			Pass	Pass	Pass	Pass
Cadmium			Pass	Pass	Pass	Pass
Chromium			Pass	Pass	Pass	Pass
Copper			Pass	Pass	Pass	Pass
Lead			Pass	Pass	Pass	Pass
Mercury			Pass	Pass	Pass	Pass
Nickel			Pass	Pass	Pass	Pass
Zinc			Pass	Pass	Pass	Pass

	Sample ID:	D202104250302	D202104251202	D202104251502	D202104252602	D202104253702	D202104276903
	Sample Name	WAC1-TP6	WAC2-TP9	TP39-fill-0.5	TP51-natural-1.0	TP54-fill-0.2	TP38-fill-0.3
Parameter	Units	PQL					
ESA-P-ORG(12 - 15)							
Acenaphthene			Pass	Pass	Pass	Pass	Pass	Pass
Acenaphthylene			Pass	Pass	Pass	Pass	Pass	Pass
Anthracene			Pass	Pass	Pass	Pass	Pass	Pass
Benzo[a]anthracene			Pass	Pass	Pass	Pass	Pass	Pass
Benzo[a]pyrene			Pass	Pass	Pass	Pass	Pass	Pass
Benzo[b]fluoranthene			Pass	Pass	Pass	Pass	Pass	Pass
Benzo[g,h,i]perylene			Pass	Pass	Pass	Pass	Pass	Pass
Benzo[k]fluoranthene			Pass	Pass	Pass	Pass	Pass	Pass
Chrysene			Pass	Pass	Pass	Pass	Pass	Pass
Dibenzo[a,h]anthracene			Pass	Pass	Pass	Pass	Pass	Pass
Fluoranthene			Pass	Pass	Pass	Pass	Pass	Pass
Fluorene			Pass	Pass	Pass	Pass	Pass	Pass
Indeno(1,2,3-cd)pyrene			Pass	Pass	Pass	Pass	Pass	Pass
Naphthalene			Pass	Pass	Pass	Pass	Pass	Pass
Phenanthrene			Pass	Pass	Pass	Pass	Pass	Pass
Pyrene			Pass	Pass	Pass	Pass	Pass	Pass
p-Terphenyl-d14 (Surr.)	%		92	87	117	138	86	108

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aldrin			Pass	Pass	Pass	Pass	Pass	Pass
a-BHC			Pass	Pass	Pass	Pass	Pass	Pass
b-BHC			Pass	Pass	Pass	Pass	Pass	Pass
d-BHC			Pass	Pass	Pass	Pass	Pass	Pass
g-BHC (lindane)			Pass	Pass	Pass	Pass	Pass	Pass
cis-chlordane			Pass	Pass	Pass	Pass	Pass	Pass
trans-chlordane			Pass	Pass	Pass	Pass	Pass	Pass
4,4'-DDD			Pass	Pass	Pass	Pass	Pass	Pass
4,4'-DDE			Pass	Pass	Pass	Pass	Pass	Pass
4,4'-DDT			Pass	Pass	Pass	Pass	Pass	Pass
dieldrin			Pass	Pass	Pass	Pass	Pass	Pass
endosulfan I			Pass	Pass	Pass	Pass	Pass	Pass
endosulfan II			Pass	Pass	Pass	Pass	Pass	Pass
endosulfan sulfate			Pass	Pass	Pass	Pass	Pass	Pass
endrin			Pass	Pass	Pass	Pass	Pass	Pass
endrin aldehyde			Pass	Pass	Pass	Pass	Pass	Pass
endrin ketone			Pass	Pass	Pass	Pass	Pass	Pass
heptachlor			Pass	Pass	Pass	Pass	Pass	Pass
heptachlor epoxide			Pass	Pass	Pass	Pass	Pass	Pass
hexachlorobenzene			Pass	Pass	Pass	Pass	Pass	Pass
methoxychlor			Pass	Pass	Pass	Pass	Pass	Pass
TCMX (Surr.)	%		82	72	78	93	70	92
chlorpyrifos			Pass	Pass	Pass	Pass	Pass	Pass
chlorpyrifos methyl			Pass	Pass	Pass	Pass	Pass	Pass
diazinon			Pass	Pass	Pass	Pass	Pass	Pass
fenchlorphos			Pass	Pass	Pass	Pass	Pass	Pass
methyl parathion			Pass	Pass	Pass	Pass	Pass	Pass
prophos			Pass	Pass	Pass	Pass	Pass	Pass
tributylphosphorotrithioite			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1016			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1221			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1232			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1242			Pass	Pass	Pass	Pass	Pass	Pass

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Silverwater 2128
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Aroclor 1248			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1254			Pass	Pass	Pass	Pass	Pass	Pass
Aroclor 1260			Pass	Pass	Pass	Pass	Pass	Pass
2-fluorobiphenyl (Surr.)	%		95	84	64	74	79	103

		Sample ID:	**D202104250303**	**D202104251203**	**D202104251503**	**D202104252603**	**D202104253703**	**D202104276904**
		Sample Name	**WAC1-TP6**	**WAC2-TP9**	**TP39-fill-0.5**	**TP51-natural-1.0**	**TP54-fill-0.2**	**TP38-fill-0.3**
Parameter	***Units***	***PQL***						
ESA-P-ORG(3,8)								
>C10-C16			Pass	Pass	Pass	Pass	Pass	Pass
>C16-C34			Pass	Pass	Pass	Pass	Pass	Pass
>C34-C40			Pass	Pass	Pass	Pass	Pass	Pass
>C10-C14			Pass	Pass	Pass	Pass	Pass	Pass
>C15-C28			Pass	Pass	Pass	Pass	Pass	Pass
>C29-C36			Pass	Pass	Pass	Pass	Pass	Pass

		Sample ID:	**D202104251501**	**D202104252601**	**D202104253701**	**D202104276902**
		Sample Name	**TP39-fill-0.5**	**TP51-natural-1.0**	**TP54-fill-0.2**	**TP38-fill-0.3**
Parameter	***Units***	***PQL***				
ESA-P-ORG7 & ORG8						
Benzene			Pass	Pass	Pass	Pass
Toluene			Pass	Pass	Pass	Pass
Ethylbenzene			Pass	Pass	Pass	Pass
m.p Xylene			Pass	Pass	Fail	Pass
o Xylene			Pass	Pass	Pass	Pass
Fluorobenzene (Surr.)	%		120	105	90	108
C6-C10			Pass	Pass	Pass	Pass
C6-C9			Pass	Pass	Pass	Pass

		Sample ID:	**D202104252502**
		Sample Name	**TP51-fill-0.9**
Parameter	***Units***	***PQL***	
ESA-P-ORG16			
PFBA			Pass
PFPeA			Pass

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Silverwater 2128
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PFBS			Pass
PFHxA			Pass
PFPeS			Pass
PFHpA			Pass
PFOA			Pass
PFHpS			Pass
PFOS			Pass
PFDA			Pass
PFUdA			Pass
PFDoA			Pass
PFTrDA			Pass
PFTeDA			Pass
PFNA			Pass
PFHxS			Pass
MPFBA	%		80
M3PFBS	%		89
MPFOS	%		97
MPFHxA	%		81
MPFOA	%		119
MPFUdA	%		125

Sample ID: **Q2021010406**

Sample Name

Parameter	***Units***	***PQL***	Phenols Blank - Soil
ESA-P-ORG17			
Phenol	mg/kg	0.2	<0.20
2-Chlorophenol	mg/kg	0.1	<0.10
2-Methylphenol	mg/kg	0.2	<0.20
3/4-Methylephenol	mg/kg	0.4	<0.40
2-Nitrophenol	mg/kg	0.2	<0.20
2,4-Dimethylphenol	mg/kg	0.2	<0.20
2,4-Dichlorophenol	mg/kg	0.05	<0.050
2,6-Dichlorophenol	mg/kg	0.05	<0.050

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Silverwater 2128
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3-Methyl,4-Chlorophenol	mg/kg	0.2	<0.20
2,4,6-Trichlorophenol	mg/kg	0.05	<0.050
2,4,5-Trichlorophenol	mg/kg	0.05	<0.050
2,4-Dinitrophenol	mg/kg	4	<4.0
4-Nitrophenol	mg/kg	4	<4.0
2,3,5,6-Tetrachlorophenol	mg/kg	0.1	<0.10
2,3,4,5-Tetrachlorophenol	mg/kg	0.1	<0.10
2,3,4,6-Tetrachlorophenol	mg/kg	0.1	<0.10
2-Methyl-4,6-dinitrophenol	mg/kg	2	<2.0
Pentachlorophenol	mg/kg	0.2	<0.20
Dinoseb	mg/kg	5	<5.0
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	5	<5.0

Sample ID: **Q2021010407**

Sample Name

Parameter	***Units***	***PQL***	Phenols BlankSp-Soil
ESA-P-ORG17			
2-Chlorophenol	%		124
2-Methylphenol	%		129
3/4-Methylephenol	%		127
2,6-Dichlorophenol	%		129
Dinoseb	%		106
Phenol-d6 (Surr.)	%		133
2-Chlorophenol-d4 (Surr.)	%		139

Sample ID: **Q2021010604**

Sample Name

Parameter	***Units***	***PQL***	VOCs MB Vic - Soil
ESA-P-ORG7 & ORG8			
Benzene	mg/kg	0.5	<0.50
Toluene	mg/kg	0.5	<0.50
Ethylbenzene	mg/kg	0.5	<0.50
m.p Xylene	mg/kg	1	<1.0
o Xylene	mg/kg	0.5	<0.50
Styrene	mg/kg	0.5	<0.50

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Unit 4/10-11 Millennium Court
Silverwater 2128
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vNaphthalene	mg/kg	0.5	<0.50
C6-C9	mg/kg	35	<35
C6-C10	mg/kg	35	<35
Vinyl Chloride	mg/kg	0.5	<0.50
trans-1,2-Dichloroethene	mg/kg	0.5	<0.50
Methylene chloride	mg/kg	0.5	<0.50
cis-1,2-Dichloroethene	mg/kg	0.5	<0.50
Bromochloromethane	mg/kg	0.5	<0.50
Chloroform	mg/kg	0.5	<0.50
1,1,1-Trichloroethane	mg/kg	0.5	<0.50
1,2-Dichloroethane	mg/kg	0.5	<0.50
Carbon tetrachloride	mg/kg	0.5	<0.50
1,1,2-Trichloroethane	mg/kg	0.5	<0.50
Tetrachloroethene	mg/kg	0.5	<0.50
1,1,1,2-Tetrachloroethane	mg/kg	0.5	<0.50
1,1,2,2-Tetrachloroethane	mg/kg	0.5	<0.50
1,2-Dichlorobenzene	mg/kg	0.5	<0.50
1,4-Dichlorobenzene	mg/kg	0.5	<0.50
1,2,4-Trichlorobenzene	mg/kg	0.5	<0.50
Hexachlorobutadiene	mg/kg	0.5	<0.50
1,1-Dichloroethene	mg/kg	0.5	<0.50
Trichloroethene	mg/kg	0.5	<0.50
Chlorobenzene	mg/kg	0.5	<0.50

Sample ID: **Q2021010605**

Sample Name

Parameter	***Units***	***PQL***	VOCs LCS Vic - Soil
ESA-P-ORG7 & ORG8			
1,1-Dichloroethene	%		85
Benzene	%		137
Trichloroethene	%		125
Toluene	%		132
Chlorobenzene	%		139

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Unit 4/10-11 Millennium Court
Silverwater 2128
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Toluene-d8 (Surr.)	%		127
1,2-Dichloroethane-d4 (Surr.)	%		121
4-Bromofluorobenzene (BFB) (Surr.)	%		130
Trifluorotoluene (Surr.)	%		110

		Sample ID:	**Q2021010692**	**Q2021010742**
		Sample Name		
Parameter	***Units***	***PQL***	Metals Blank - Soil	Metals Blank - Soil
ESA-MP-01,ICP-01				
Arsenic	mg/kg	5	<5.0	<5.0
Cadmium	mg/kg	0.3	<0.30	<0.30
Chromium	mg/kg	5	<5.0	<5.0
Copper	mg/kg	5	<5.0	<5.0
Lead	mg/kg	10	<10.0	<10.0
Mercury	mg/kg	0.2	<0.20	<0.20
Nickel	mg/kg	10	<10.0	<10.0
Zinc	mg/kg	5	<5.0	<5.0

		Sample ID:	**Q2021010693**	**Q2021010743**
		Sample Name		
Parameter	***Units***	***PQL***	Metals Blank Sp-Soil	Metals Blank Sp-Soil
ESA-MP-01,ICP-01				
Arsenic	%		99	92
Cadmium	%		98	101
Chromium	%		100	96
Copper	%		98	96
Lead	%		102	99
Mercury	%		108	101
Nickel	%		101	99
Zinc	%		102	99

		Sample ID:	**Q2021010714**	**Q2021010734**	**Q2021010750**
		Sample Name			
Parameter	***Units***	***PQL***	PCB Blank - Soil	PCB Blank - Soil	PCB Blank - Soil
ESA-P-ORG(12 - 15)					
Acenaphthene	mg/kg	0.3	<0.30	<0.30	<0.30

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Unit 4/10-11 Millennium Court
Silverwater 2128
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Acenaphthylene	mg/kg	0.3	<0.30	<0.30	<0.30
Anthracene	mg/kg	0.3	<0.30	<0.30	<0.30
Benzo[a]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30
Benzo[a]pyrene	mg/kg	0.3	<0.30	<0.30	<0.30
Benzo[b]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30
Benzo[g,h,i]perylene	mg/kg	0.3	<0.30	<0.30	<0.30
Benzo[k]fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30
Chrysene	mg/kg	0.3	<0.30	<0.30	<0.30
Dibenzo[a,h]anthracene	mg/kg	0.3	<0.30	<0.30	<0.30
Fluoranthene	mg/kg	0.3	<0.30	<0.30	<0.30
Fluorene	mg/kg	0.3	<0.30	<0.30	<0.30
Indeno(1,2,3-cd)pyrene	mg/kg	0.3	<0.30	<0.30	<0.30
Naphthalene	mg/kg	0.3	<0.30	<0.30	<0.30
Phenanthrene	mg/kg	0.3	<0.30	<0.30	<0.30
Pyrene	mg/kg	0.3	<0.30	<0.30	<0.30
aldrin	mg/kg	0.1	<0.10	<0.10	<0.10
a-BHC	mg/kg	0.1	<0.10	<0.10	<0.10
b-BHC	mg/kg	0.1	<0.10	<0.10	<0.10
d-BHC	mg/kg	0.1	<0.10	<0.10	<0.10
g-BHC (lindane)	mg/kg	0.1	<0.10	<0.10	<0.10
cis-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10
trans-chlordane	mg/kg	0.1	<0.10	<0.10	<0.10
4,4'-DDD	mg/kg	0.1	<0.10	<0.10	<0.10
4,4'-DDE	mg/kg	0.1	<0.10	<0.10	<0.10
4,4'-DDT	mg/kg	0.1	<0.10	<0.10	<0.10
dieldrin	mg/kg	0.1	<0.10	<0.10	<0.10
endosulfan I	mg/kg	0.2	<0.20	<0.20	<0.20
endosulfan II	mg/kg	0.2	<0.20	<0.20	<0.20
endosulfan sulfate	mg/kg	0.1	<0.10	<0.10	<0.10
endrin	mg/kg	0.2	<0.20	<0.20	<0.20
endrin aldehyde	mg/kg	0.1	<0.10	<0.10	<0.10
endrin ketone	mg/kg	0.1	<0.10	<0.10	<0.10
heptachlor	mg/kg	0.1	<0.10	<0.10	<0.10

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Unit 4/10-11 Millennium Court
Silverwater 2128
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heptachlor epoxide	mg/kg	0.1	<0.10	<0.10	<0.10
hexachlorobenzene	mg/kg	0.1	<0.10	<0.10	<0.10
methoxychlor	mg/kg	0.1	<0.10	<0.10	<0.10
chlorpyrifos	mg/kg	0.1	<0.10	<0.10	<0.10
chlorpyrifos methyl	mg/kg	0.1	<0.10	<0.10	<0.10
diazinon	mg/kg	0.1	<0.10	<0.10	<0.10
fenchlorphos	mg/kg	0.1	<0.10	<0.10	<0.10
methyl parathion	mg/kg	0.1	<0.10	<0.10	<0.10
prophos	mg/kg	0.1	<0.10	<0.10	<0.10
tributylphosphorotrithioite	mg/kg	0.1	<0.10	<0.10	<0.10
Aroclor 1016	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1221	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1232	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1242	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1248	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1254	mg/kg	0.5	<0.50	<0.50	<0.50
Aroclor 1260	mg/kg	0.5	<0.50	<0.50	<0.50
		Sample ID:	**Q2021010715**	**Q2021010735**	**Q2021010751**
		Sample Name			
Parameter	***Units***	***PQL***	PCB Blank Sp - Soil	PCB Blank Sp - Soil	PCB Blank Sp - Soil
ESA-P-ORG(12 - 15)					
Acenaphthene	%		99	110	125
Anthracene	%		124	100	113
Fluoranthene	%		100	121	93
Naphthalene	%		98	63	90
Phenanthrene	%		108	100	97
Pyrene	%		102	118	95
p-Terphenyl-d14 (Surr.)	%		108	129	114
aldrin	%		81	67	68
endrin	%		77	76	75
hexachlorobenzene	%		94	128	81
TCMX (Surr.)	%		98	85	89
chlorpyrifos	%		73	75	66

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Unit 4/10-11 Millennium Court
Silverwater 2128
Ph: (02) 9648-6669

diazinon	%		75	63	71
2-fluorobiphenyl (Surr.)	%		110	69	101
Aroclor 1016	%		81	81	92

		Sample ID:	**Q2021010716**	**Q2021010736**	**Q2021010754**
		Sample Name			
Parameter	***Units***	***PQL***	TRH Blank-Soil	TRH Blank-Soil	TRH Blank-Soil
ESA-P-ORG(3,8)					
>C10-C16	mg/kg	50	<50	<50	<50
>C16-C34	mg/kg	100	<100	<100	<100
>C34-C40	mg/kg	100	<100	<100	<100
>C10-C14	mg/kg	50	<50	<50	<50
>C15-C28	mg/kg	100	<100	<100	<100
>C29-C36	mg/kg	100	<100	<100	<100

		Sample ID:	**Q2021010717**	**Q2021010737**	**Q2021010755**
		Sample Name			
Parameter	***Units***	***PQL***	TRH Blank Spike-Soil	TRH Blank Spike-Soil	TRH Blank Spike-Soil
ESA-P-ORG(3,8)					
>C10-C16	%		96	113	89
>C10-C14	%		96	110	89

		Sample ID:	**Q2021010732**	**Q2021010746**
		Sample Name		
Parameter	***Units***	***PQL***	BTEX Blank - Soil	BTEX Blank - Soil
ESA-P-ORG7 & ORG8				
Benzene	mg/kg	0.5	<0.50	<0.50
Toluene	mg/kg	0.5	<0.50	<0.50
Ethylbenzene	mg/kg	1	<1.0	<1.0
m.p Xylene	mg/kg	2	<2.0	<2.0
o Xylene	mg/kg	1	<1.0	<1.0
C6-C10	mg/kg	35	<35	<35
C6-C9	mg/kg	25	<25	<25

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	Sample ID:	Q2021010733	Q2021010747
	Sample Name		

Parameter	Units	PQL	BTEX Blank Sp-Soil	BTEX Blank Sp-Soil
ESA-P-ORG7 & ORG8				
Benzene	%		116	94
Toluene	%		111	95
Ethylbenzene	%		110	95
m.p Xylene	%		88	94
o Xylene	%		105	92
Fluorobenzene (Surr.)	%		119	89

	Sample ID:	Q2021010744
	Sample Name	

Parameter	Units	PQL	PFAS Blank - Soil
ESA-P-ORG16			
PFBA	ug/kg	5	<5
PFPeA	ug/kg	5	<5
PFBS	ug/kg	5	<5
PFHxA	ug/kg	5	<5
PFPeS	ug/kg	5	<5
PFHpA	ug/kg	5	<5
PFOA	ug/kg	5	<5
PFHpS	ug/kg	5	<5
PFOS	ug/kg	5	<5
PFDA	ug/kg	5	<5
PFUdA	ug/kg	5	<5
PFDoA	ug/kg	5	<5
PFTrDA	ug/kg	5	<5
PFTeDA	ug/kg	5	<5
PFNA	ug/kg	5	<5
PFHxS	ug/kg	5	<5
MPFBA (Surr.)	%		104
M3PFBS (Surr.)	%		93
MPFOS (Surr.)	%		110

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MPFHxA (Surr.)	%		95
MPFOA (Surr.)	%		112
MPFUdA (Surr.)	%		118

Sample ID: **Q2021010745**

Sample Name

Parameter	***Units***	***PQL***	PFAS Blank Sp - Soil
ESA-P-ORG16			
PFBA	%		120
PFPeA	%		109
PFBS	%		119
PFHxA	%		118
PFPeS	%		125
PFHpA	%		125
PFOA	%		117
PFHpS	%		119
PFOS	%		110
PFDA	%		119
PFUdA	%		125
PFDoA	%		130
PFTrDA	%		104
PFTeDA	%		130
PFNA	%		114
PFHxS	%		121
MPFBA (Surr.)	%		76
M3PFBS (Surr.)	%		74
MPFOS (Surr.)	%		84
MPFHxA (Surr.)	%		72
MPFOA (Surr.)	%		88
MPFUdA (Surr.)	%		103

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		Sample ID:	S202104122404	
		Sample Name	TP1-0.3	
Parameter	*Units*	*PQL*		
ESA-P-ORG17				
2-Chlorophenol	%		127	
2-Methylphenol	%		122	
3/4-Methylephenol	%		139	
2,6-Dichlorophenol	%		117	
Dinoseb	%		115	
Phenol-d6 (Surr.)	%		112	
2-Chlorophenol-d4 (Surr.)	%		110	

		Sample ID:	S202104209401	
		Sample Name	WAC2-TP1	
Parameter	*Units*	*PQL*		
ESA-P-ORG-07 & 08				
1,1-Dichloroethene	%		109	
Benzene	%		113	
Trichloroethene	%		134	
Toluene	%		118	
Chlorobenzene	%		134	
Toluene-d8 (Surr.)	%		123	
1,2-Dichloroethane-d4 (Surr.)	%		103	
4-Bromofluorobenzene (Surr.)	%		121	
Trifluorotoluene (Surr.)	%		114	

		Sample ID:	S202104229401	S202104251404	
		Sample Name	14 Teeswater-TP1	TP39-fill-0.5	
Parameter	*Units*	*PQL*			
ESA-MP-01,ICP-01					
Arsenic	%		102	87	
Cadmium	%		98	95	
Chromium	%		97	99	
Copper	%		96	87	
Lead	%		100	101	

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Mercury	%		114	108	
Nickel	%		98	96	
Zinc	%		96	109	

		Sample ID:	**S202104250202**	**S202104251402**	**S202104253602**
		Sample Name	**WAC1-TP5**	**TP39-fill-0.5**	**TP54-fill-0.1**
Parameter	***Units***	***PQL***			
ESA-P-ORG(12 - 15)					
Acenaphthene	%		128	103	120
Anthracene	%		103	94	98
Fluoranthene	%		82	111	80
Naphthalene	%		83	61	79
Phenanthrene	%		91	94	84
Pyrene	%		83	106	81
p-Terphenyl-d14 (Surr.)	%		78	120	93
aldrin	%		63	63	60
endrin	%		63	71	68
hexachlorobenzene	%		77	120	70
TCMX (Surr.)	%		69	80	75
chlorpyrifos	%		62	70	66
diazinon	%		64	61	61
Aroclor 1016	%		93	75	87
2-fluorobiphenyl (Surr.)	%		79	65	86

		Sample ID:	**S202104250203**	**S202104251403**	**S202104253603**
		Sample Name	**WAC1-TP5**	**TP39-fill-0.5**	**TP54-fill-0.1**
Parameter	***Units***	***PQL***			
ESA-P-ORG(3,8)					
>C10-C16	%		122	115	118
>C10-C14	%		122	112	118

		Sample ID:	**S202104251401**	**S202104253601**
		Sample Name	**TP39-fill-0.5**	**TP54-fill-0.1**
Parameter	***Units***	***PQL***		
ESA-P-ORG-07 & 08				
Benzene	%		115	113

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Toluene	%		112	113
Ethylbenzene	%		109	112
m.p Xylene	%		87	115
o Xylene	%		105	111
Fluorobenzene (Surr.)	%		121	106

Sample ID: **S202104252501**

Sample Name **TP51-fill-0.9**

Parameter	*Units*	*PQL*	
ESA-P-ORG16			
PFBA	%		93
PFPeA	%		123
PFBS	%		124
PFHxA	%		109
PFPeS	%		122
PFHpA	%		129
PFOA	%		111
PFHpS	%		120
PFOS	%		124
PFDA	%		111
PFUdA	%		114
PFDoA	%		130
PFTrDA	%		95
PFTeDA	%		103
PFNA	%		122
PFHxS	%		123
MPFBA (Surr.)	%		84
M3PFBS (Surr.)	%		82
MPFOS (Surr.)	%		88
MPFHxA (Surr.)	%		83
MPFOA (Surr.)	%		110
MPFUdA (Surr.)	%		125

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