Detailed Site Investigation
St Bartholomew's
Cemetery Expansion Lands
Prospect NSW

APP Corporation

May 2018

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Executive Summary

APP Corporation (APP) engaged Prensa to conduct a Detailed Site Investigation (DSI) of the lands located to the east of St Bartholomew's Cemetery, Prospect NSW between St Bartholomew's Place and Tarlington Place (the site) to identify potential contamination at the site, provide recommendations for the design and feasibility processes and assist in Blacktown Councils Development Application. Prensa undertook a Preliminary Site Investigation (PSI) of the site in February 2018 which concluded that there was some potential for soil contamination to be associated with the following Areas of Environmental Concern (AEC):

- Soil stockpiles of unknown origin;
- Site wide potential asbestos containing materials within soil; and
- Historical use of the site.

The objective of the DSI was to investigate these AECs to identify any soil contamination that would create challenges in the design process of the cemetery expansion.

The base scope of work for the DSI comprised:

- Excavation of 47 test pits to 1.0 meters below ground level (mBGL);
- Collection of samples from near surface, 0.5 mBGL and 1.0 mBGL;
- Collection of samples from four stockpile locations; and
- Investigation of an Underground Storage Tank (UST) identified during site works.

A summary of the investigation results, for each area or areas of environmental concern, are provided below:

- Post Office and UST

Impacts associated with the former UST were unable to be fully investigated with test pits refusing on hard shale material thereby limiting the depth of the test pits advanced. With the exception of asbestos material the shallow soils did not display staining or hydrocarbon odours. Asbestos containing material (ACM) was identified within test pits TP01, TP02, TP39 and TP40 within the post office area, as well as within surface soils on the western side of the post office. ACM was also identified roadside outside the post office.

- South of Cemetery

No impact within the area directly south of cemetery was identified, based on visual assessment and laboratory data.

- Western Paddock

Limited impact associated with ACM was identified based on visual assessment and laboratory data. ACM was noted at TP14, and on the soil surface between TP30 and 31 (area denoted as 'Shed'). Further analysis did not display friable asbestos or asbestos fines.

- Improved Pasture Area

No impact associated with historical improved pasture practices were identified, based on visual assessment and laboratory data.

- Eastern Paddock

During a site walkover friable asbestos and ACM fragments were identified in the north eastern portion of this area. Friable asbestos fragments were noted on the surface which led to the temporary

covering of the area in geo fabric material. The friable asbestos is likely associated with historical structures within this area. This area required detailed consideration and mitigation strategies as several services including fibre optics, water and electrical infrastructure are located in this location. Laboratory analysis of soil samples collected from test pits in this location identified concentrations hydrocarbon (F2-Napthalene) exceeding the Ecological Screening Limit (ESL) in test pit TP9 only. . The ESL exceedance is not considered to represent a significant ecological impact area for flora and fauna given the majority of the site is to be filled and levelled.

- Stockpiles

Several stockpiles were found across the site bordering both Tarlington Place and St Bartholomew's Place. The stockpiles appear to have been generated during civil works, demolition of historical buildings and illegal dumping. Asbestos containing materials were found within the majority of stockpiles investigated with no stockpiles identified as being clear of ACM material.

Conclusion and Recommendations

The contaminants identified on site are not considered to limit the proposed development of the site with the exception of the friable asbestos area which will require further management during construction. The other contaminants identified on site are not considered to limit the ongoing site use.

The following is recommended to minimise and manage ongoing risks at the site associated with ACM:

- All workers on site should be inducted onto the Asbestos Management Plan. All site works need to take into account the potential for encountering asbestos and should manage works accordingly;
- The friable asbestos material identified in the north east of the site requires further consideration and management. It is recommended that soils from this area are relocated and capped on site in an area to be covered with hardstand, for example underneath the carpark, or that soils are removed from site. Given the presence of significant number of services in this area, both options require additional review; ;
- Deeper excavation of the area surrounding the UST was not possible at the time of the site works, therefore there is potential for contamination from the UST to exist which has not been identified during this investigation;
- It should be noted that parcels of land associated with the RMS were inaccessible for intrusive works at the time of the investigation, therefore the potential for contamination exists that has not been identified during this investigation; and
- Additional investigation is recommended around the UST and in the RMS land to assess for the presence of contamination in these areas. Additionally, it is recommended that the Asbestos Management Plan for the site is updated to include the findings of this report in regards to potential asbestos locations and controls.

Statement of Limitations

Statement of Limitations

This document has been prepared in response to specific instructions from APP Corporation to whom the report has been addressed. The work has been undertaken with the usual care and thoroughness of the consulting profession. The work is based on generally accepted standards, practices of the time the work was undertaken. No other warranty, expressed or implied, is made as to the professional advice included in this report.

The report has been prepared for the use by APP Corporation and the use of this report by other parties may lead to misinterpretation of the issues contained in this report. To avoid misuse of this report, Prensa advise that the report should only be relied upon by APP Corporation and those parties expressly referred to in the introduction of the report. The report should not be separated or reproduced in part and Prensa should be retained to assist other professionals who may be affected by the issues addressed in this report to ensure the report is not misused in any way.

Prensa is not a professional quantity surveyor (QS) organisation. Any areas, volumes, tonnages or any other quantities noted in this report are indicative estimates only. The services of a professional QS organisation should be engaged if quantities are to be relied upon.

Sampling Risks

Prensa acknowledges that any scientifically designed sampling program cannot guarantee all sub-surface contamination will be detected. Sampling programs are designed based on known or suspected site conditions and the extent and nature of the sampling and analytical programs will be designed to achieve a level of confidence in the detection of known or suspected subsurface contamination. The sampling and analytical programs adopted will be those that maximises the probability of identifying contaminants. APP Corporation must therefore accept a level of risk associated with the possible failure to detect certain sub-surface contamination where the sampling and analytical program misses such contamination. Prensa will detail the nature and extent of the sampling and analytical program used in the investigation in the investigation report provided.

Environmental site assessments identify actual subsurface conditions only at those points where samples are taken and when they are taken. Soil contamination can be expected to be non-homogeneous across the stratified soils where present on site, and the concentrations of contaminants may vary significantly within areas where contamination has occurred. In addition, the migration of contaminants through groundwater and soils may follow preferential pathways, such as areas of higher permeability, which may not be intersected by sampling events. Subsurface conditions including contaminant concentrations can also change over time. For this reason, the results should be regarded as representative only.

APP Corporation recognises that sampling of subsurface conditions may result in some cross contamination. All care will be taken and the industry standards used to minimise the risk of such cross contamination occurring, however, Property NSW recognises this risk and waives any claims against Prensa and agrees to defend, indemnify and hold Prensa harmless from any claims or liability for injury or loss which may arise as a result of alleged cross contamination caused by sampling.

Reliance on Information Provided by Others

Prensa notes that where information has been provided by other parties in order for the works to be undertaken, Prensa cannot guarantee the accuracy or completeness of this information. APP Corporation therefore waives any claim against the company and agrees to indemnify Prensa for any loss, claim or liability arising from inaccuracies or omissions in information provided to Prensa by third parties. No indications were found during our investigations that information contained in this report, as provided to Prensa, is false.

Recommendations for Further Study

The industry recognised methods used in undertaking the works may dictate a staged approach to specific investigations. The findings therefore of this report may represent preliminary findings in accordance with these industry recognised methodologies. In accordance with these methodologies, recommendations contained in this report may include a need for further investigation or analytical analysis. The decision to accept these recommendations and incur additional costs in doing so will be at the sole discretion of APP Corporation and Prensa recognises that APP Corporation will consider their specific needs and the business risks involved. Prensa does not accept any liability for losses incurred as a result of APP Corporation not accepting the recommendations made within this report.

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1 Introduction

APP Corporation (APP) engaged Prensa Pty Ltd (Prensa) to undertake a Detailed Site Investigation (DSI) of the land located east of St Bartholomew's Cemetery, Prospect NSW (the site). The site consists of 22 adjacent lots, with a combined total area of approximately 8 hectares. The approximate boundaries of the site are shown on **Figure 1** in the 'Figures' section of this report.

The current zoning of the site is SP2 – infrastructure, RE1 – public recreation and RU4 – Primary Production Small lots according to the Blacktown City Council Local Environment Plan (2015). Prensa understands that Blacktown Council are proposing to rezone the site to SP1 Cemetery to develop the site into a cemetery, expanding on the existing St Bartholomew's Cemetery.

APP has requested Prensa to conduct this DSI to identify potential contamination at the site which may pose a risk to human health and/or the environment which may preclude the development of the site, and assist in Blacktown Councils Development Application.

2 Background

It is understood that Blacktown Council wish to rezone the site to SP1 Cemetery and develop the site into a cemetery. As part of the process a PSI report was required to be compiled and appended in the Planning Proposal, and a DSI report to be undertaken and appended in the Development Application.

Prensa was engaged in December 2017 to complete a Preliminary Site Investigation (PSI) at the site to provide an indication of the potential for contamination to exist at the site as a result of current and/or historical activities. The PSI identified the following areas of environmental concern (AECs):

- Soil stockpiles of unknown origin;
- Site wide potential asbestos containing materials (ACM) within soil;
- Area of suspected improved pasture and agricultural practices; and
- Additionally, an UST was suspected after gaining access to previously inaccessible areas during the DSI works.

The above AECs have been identified on **Figure 2**, in the 'Figures' section of this report.

Based on the findings of the PSI, APP commissioned Prensa to undertake this DSI to provide an indication of the potential presence of soil contamination in the identified AECs. Fieldwork was undertaken at the site between 13th and 16th March 2018, and the findings of the DSI are summarised within this report.

3 Objective

The objective of the DSI was to assess the presence of contamination at the site, as a result of current and/or historical activities that may pose a risk to human health and/or the environment associated with the proposed development of the site.

4 Scope of Works

Prensa undertook the following scope of works:

- Fieldwork preliminaries comprising:
  - Preparation of a Site-Specific Safety Plan (SSP); and
  - Dial before you dig (DBYD) search.
- Fieldwork comprising:
  - Service location of underground services with a qualified service locator;
  - Collection of soil samples from four stockpiled areas (presented on **Figure 3** in the 'Figures' section of this report);
  - Excavation of 47 test pits in a gridded pattern across the site using a three tonne excavator to a depth of 1.0 m below ground level (mBGL);
  - The locations of the 47 test pits have been presented on **Figure 4** in the 'Figures' section of this report. The rationale for the test pit locations was as follows:
    - TP38-40 targeted the UST and surrounding area;
    - TP5 and TP6 targeted the area where friable asbestos had been previously identified;
    - TP16-17 and TP43-46 targeted areas where improved pasture was previously suspected; and
    - All other test pit locations were arranged in a gridded pattern across the site.
  - Collection of soil samples from each test pit;
  - Surface inspection for the presence of potential asbestos-containing material (ACM) and collection of potential ACM fragments for confirmation of asbestos presence;
  - Field screening for asbestos containing materials in 7 test pits as per National Environmental Protection Amended Measure (NEPM 2013) comprising:
    - Collection of and field screening of 10L soil samples using a 7 mm sieve; and
    - Collection of bulk samples if suspected bonded ACM fragments >7 mm were observed.
    - Locations for the field screening was as follows:
      - TP5 and TP6 targeted the friable asbestos area;
      - TP14 targeted where ACM was identified;
      - TP29 and TP31 targeted areas in the proximity of stockpiles/locations where ACM had been previously identified; and
      - TP39 and TP40 targeted areas where ACM was identified on the surface.
  - Field screening of soil samples using a photo-ionisation detector (PID); and
  - Backfilling of the test pits, restoring the ground surface to original condition as best possible.
- Laboratory analysis of primary soil samples and quality control (QC) samples at National Association of Testing Authorities (NATA) accredited laboratories for contaminants of potential concern (CoPC); and
- Preparation of this DSI report.

It should be noted that 50 test pits were initially proposed, however at the time of Prensa's site work, land associated with RMS (Lot 3 in DP 1134381 and Lots 12 and 13 in DP 802753) was not accessible, therefore there is some potential for contamination to exist in this area that has not been identified as part of this investigation and should be further investigated post land transfer. It should also be noted that the sampling density is below that required in Australian Standard 4482.1 for a site of this size, however due to the limited areas of environmental concern identified (area primarily open

space/paddocks) 47 sampling locations are considered sufficient to address the objectives of the assessment.

5 Technical Framework

Works on the site were undertaken in general accordance with the following:

- NSW Work Health and Safety Act 2011 (WHS Act 2011);
- NSW Work Health and Safety Regulation 2011 (WHS Regulation 2017);
- NSW Code of Practice: How to Manage and Control Asbestos in the Workplace, 2016;
- NSW Code of Practice*: How to Safely Remove Asbestos,* 2016;
- The Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act 1999);
- Contaminated Land Management (CLM) Act, 1997 (CLM Act 1997);
- Contaminated Land Management Amendment Act 2008;
- Protection of the Environment Operations (POEO) Act 1997 (POEO Act 1997);
- NSW Environmental Protection Agency (EPA) POEO UPSS Regulation 2014 (UPSS Regulation 2014);
- National Environment Protection Council (NEPC) Act 1994 (NEPC Act 1994);
- National Environment Protection Council, National Environment Protection (Assessment of Site Contamination) Measure, 1999 (April 2013) (NEPM 2013);
- Department of Environment, Climate Change and Water NSW (DECCW), Guidelines for implementing the UPSS Regulation (2008), (DECCW 2009);
- CRC Care Technical Report No. 10, Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater, 2011 (CRCCARE 2011);
- NSW Office of Environment and Heritage (OEH), Guidelines for Consultants Reporting on Contaminated Sites, 2011 (OEH 2011);
- Australian Standard (AS) 4482.1, Guide to Investigation and Sampling of Sites with Potentially Contaminated Soil, Part 1: Non-volatile and Semi-volatile Compounds, 2005;
- AS 4482.2, Guide to the Sampling and Investigation of Potentially Contaminated Soil, Part 2: Volatile Substances, 1999; and
- AS 1726 Geotechnical Site Investigations, 1993.

6 Data Quality Objectives

Systematic planning and verification was deemed critical for the successful implementation of the DSI to ensure that the data collected is reliable and representative. A process for establishing data quality objectives (DQOs) for an investigation has been defined by the United States Environmental Protection Agency (US EPA). That process has been adopted in AS 4482.1-2005 and referenced in NEPM 2013.

DQOs ensure that:

- The study objectives are set;
- Appropriate types of data are collected (based on proposed land use and CoPC)); and
- The tolerance levels are set for potential decision making errors.

The DQO process is a seven-step iterative planning approach used to plan for environmental data collection activities. It provides a systematic approach for defining the criteria that a data collection design should satisfy, including when, where and how to collect samples or measurements,

determination of tolerable decision error rates and the number of samples or measurements that should be collected.

The seven-step process for this investigation and data quality indicators adopted are discussed and summarised in Appendix A.

7 Site Information

7.1 Site Location

Table 1: Site Identification Details

Site Area	Approximately 8 hectares		
Owner	Blacktown City Council, Department of Planning, Roads and Maritime Services, Trustees of former Prospect School of Arts		
Local Government Area	Blacktown City Council		
Current use	Vacant Land		
Current Zoning	RE1 – Public Recreation under Blacktown Local Environmental Plan 2015; RU4 – Primary Production Small Lots under Blacktown Local Environmental Plan 2015; and SP2 – Infrastructure (Road Classified) under Blacktown Local Environmental Plan 2015		
Title identification	Lot 15 in DP 801210	Lot 25 in DP 448744	Lot 2 in DP 456722
	Lot 1 in DP 134024	Lot 26 in DP 448744	Lot 21 in DP 1150386
	Lot 2 in DP 134024	Lot 27 in DP 448744	Lot 22 in DP 1150386
	Lot 3 in DP 134024	Lot 20 in DP 744595	Lot 3 DP 1134381
	Lot 21 in DP 448744	Lot 11 in DP 802753	Lot 13 in DP 802753
	Lot 22 in DP 448744	Lot 1 in DP 744431	Lot 12 in DP 802753
	Lot 23 in DP 448744	Lot 1 in DP 456722	Lot 140 in DP 1003460
	Lot 24 in DP 448744		

Site identification details are summarised in **Table 1** below and the location of the site is shown on **Figure 1**, provided in the 'Figures' section of this report.

7.2 Surrounding Land use

At the time of the site inspection, the area in the immediate vicinity of the site was a combination of vacant land and low density residential and commercial properties. The site was bound to the:

- **North** by Great Western Highway, beyond which were large retail properties and low density residential properties;
- **East** by vacant land, beyond which was Prospect Hotel and Clunies Ross Street;
- **West** by St Bartholomew's Place, St Bartholomew's Church and cemetery beyond which was vacant land. Further west was low density residential and retail properties; and
- **South** by Western Motorway M4, beyond which was industrial properties, including Austral Masonry and a Boral Asphalt facility. Approximately 2.0 km south west of the site is Prospect Reservoir and Nature Reserve.

7.3 Site Description

The site and surrounding land use at the time of the DSI were considered to be relatively unchanged since the PSI was undertaken.

The site description is based on visual observations made by a Prensa Consultant during the DSI fieldwork in March 2018. The layout of the site, including the AECs, is shown on **Figure 2** in the 'Figures' Section of this report. Photographs taken during the DSI are provided in **Appendix B**.

The main access to the property was via driveway off Ponds Road on the northern boundary, as well as Tarlington Place off Great Western Highway. The majority of the site is vacant land, with the south eastern portion of the site occupied by the Former Prospect Post Office. The site had a slight slope towards the centre of the site from west to east/east to west towards what appeared to be a small pond or creek in the middle of the suspected irrigated pasture zone. Overall the site area sloped from south west to north east which was generally consistent with the topography of the surrounding area. With the exception of the post office and asphalt roads (Tarlington Place and St Bartholomew's Place) the site was covered in patchy grass, weeds, shrubs and trees, with denser trees and woodland in the south east portion of the site, unchanged since the PSI walkover. Approximately 15 stockpiles of varying size were identified across the site and appeared to comprise of batters constructed on the side of St Bartholomew's Place and Tarlington Place, and dumped soil with anthropogenic waste material. Additional stockpiles were noted to the east of Tarlington Place which were concluded to be outside of our investigation boundary and out of the scope of this investigation. During the site works, contractors were undertaking slashing works on the dense grass and shrubs/bushes which covered the majority of the site (Photo 1 - 5).

Evidence of a UST was identified by a vent pipe on the western side of the post office. After clearing grass and vegetation around the suspected UST area, what appeared to be fill points were identified around the base of the vent pipe, providing additional evidence of the UST in this location. However it should be noted that no dip point was located after further clearing of the area, leaving the size and condition of the UST unknown. It should also be noted that soils disturbed in this area were noted to contain significant amounts of asbestos fragments. The asbestos containing fibre cement sheeting (FCS) was also noted road side of Tarlington Place outside the post office, on the western side of the post office between the external and internal fences and on the western perimeter of the site, east of St Bartholomew's Place.

A septic tank was also noted within the post office boundary on the eastern side of the post office. A brick pit was identified to the rear of the post office, the use of which is unknown. It appeared the pit was in the footprint of a building that previously existed in this area (Photos 6 - 8).

After vegetation was cleared on site, further suspected friable asbestos containing material was noted on the soil surface near the friable asbestos zone in the north eastern corner of the site. The suspected friable asbestos material was observed in poor condition and believed to be of the same source as the material observed during the PSI inspection. A suspected asbestos containing conduit (0.5m) and FCS fragments were also identified in this area. FCS fragments were also found in surface samples at test pits TP1, TP2, TP14, TP39 and TP40 (Photo 9 & 10).

The fibre cement fragments observed onsite were in fair to poor condition with fragments collected for analysis from all locations mentioned above (sample locations are shown in **Figure 5** in the 'Figures' section of this report).

Discoloured black soils were noted at TP7 and appeared to contain burnt ash material, charcoal and burnt slag materials. This black soil was inferred to be associated with incinerator/ash waste. Surface

scrapes around this area were carried out to further delineate the extent of the burnt waste, which extended in an approximately 4 meter diameter to the south of TP7, after which the soils appeared unstained and "natural" in appearance (Photo 11 & 12).

Construction/demolition waste was apparent in some locations where dumping was identified. After vegetation had been cleared, construction waste, garbage and car tyres were also identified in the north eastern corner of the site and the western perimeter of the site, north of SP4 (identified as a previous Shed area).

No hazardous chemical storage was identified at the time of the investigation. The layout of the site is shown on Figure 1 in the 'Figures' section of this report, and site divisions are shown in Figure 6. Photographs taken during the investigation are provided in Appendix B.

8 Site History Summary

8.1 Previous Investigations

During the DSI, Prensa reviewed a Preliminary Site Investigation (PSI) (*Preliminary Site Investigation, St Bartholomew's Cemetery Expansion Lands, Prospect NSW, February 2018)* which had also been prepared by Prensa. The PSI identified:

- Asbestos containing material in the following locations:
  - North eastern corner of the site;
  - Western boundary of the site (St Bartholomew's Place);
  - Roadside adjacent the eastern concrete Jersey barrier; and
  - Soil surface at the end of Tarlington Place in the south eastern corner of the site
- Overgrown soil stockpiles in the following locations:
  - North eastern portion of the site;
  - Western perimeter roadside of St Bartholomew's Place; and
  - East of Tarlington Place (considered out of scope for this investigation).
- Potential area of improved pasture in the central portion of the site.

8.2 Historical Documentation

8.2.1 Title Search

A title search undertaken by Morris Hayes & Edgar Pty Ltd (MHE) during the PSI provided a list of proprietors for ten lots, selected based on evidence of prior occupation such as buildings or structures identified in the aerial photographs and site inspection. A full list of proprietors for the selected lots and associated plans are provided in **Appendix H**.

8.2.2 SafeWork NSW Dangerous Goods Search

The SafeWork NSW Dangerous Goods search was unable to be undertaken during the PSI as the proposed lots ownership had not been transferred to Blacktown City Council at the time.

9 Environmental Setting

Environmental setting information has been outlined in **Table 2** below, some of which has been summarised from the PSI. This is considered to be relevant at the time this DSI was undertaken.

Table 2: Summary of Environmental Setting

Item	Description

Regional Geology	A review of the 1:100,000 Geological Series Map of Penrith (Department of Mineral Resources Geological Survey of NSW, Map Sheet: 9030, First Edition, 1991) indicated the site is underlain by the Wianamatta Group Shales and Hawkesbury Shale, comprising of fine to medium grained quartz-lithic sandstone.
Surface Water	The site has a slight slope to the east with surface water and stormwater from the site likely to discharge into Girraween Creek, a tributary of Toongabbie Creek located approximately 340 m south east of the site at the closest point.
Groundwater	Based on the local topography, it is anticipated that regional groundwater beneath the site flows in a north easterly direction towards Toongabbie Creek, a tributary of Parramatta River. A review of the New South Wales Department of Primary Industries (DPI) Office of Water Groundwater Works database online (http://allwaterdata.water.nsw.gov.au/water.stm) accessed 16th January 2018, indicated that there were 4 registered groundwater bores within a 500 m radius of the site. Groundwater wells were identified as monitoring bores and are all associated with the historical use of the site by the company Caltex Oil and are assumed to be associated with a possible petrol station at this location.
Acid Sulfate Soils	A review of Acid Sulfate Soil information contained within the online Australian Soil Resource Information System (ASRIS) database (http://www.asris.csiro.au/index_ie.html), accessed on 16th January 2018, indicated there was no known occurrence of acid sulfate soils occurring beneath the site.

10 Areas of Environmental Concern

10.1 Potential Sources of Contamination

The PSI identified the following AECs:

- Soil stockpiles of unknown origin;
- Site wide potential asbestos containing materials within soil;
- Historical use of the site; and
- Additionally, an UST was suspected during the DSI works.

The above AECs have been identified on **Figure 2**, in the 'Figures' section of this report.

10.2 Contaminants of Potential Concern

The following CoPC were identified following a review of the information presented in the PSI:

- Total recoverable hydrocarbons (TRH);
- Benzene, toluene, ethylbenzene and xylenes (BTEX);
- Polycyclic aromatic hydrocarbons (PAHs);
- Organochlorine pesticides and organophosphate pesticides (OCP/OPP);
- Polychlorinated biphenyls (PCBs);
- Volatile organic compounds (VOCs);
- Metals (arsenic, cadmium, chromium, lead, nickel, zinc, mercury and copper); and
- Asbestos.

Potential sources and the associated CoPC are summarised in **Table 3** below**.**

Table 3: Targeted Areas and Potential Contaminants of Concern

Potential Source	Location	Contaminants of Potential Concern
Importation of fill during construction/development of the site. Poor	Site wide	TRH, BTEX, PAH, OCP/OPP, PCB, metals and asbestos

demolition practices introducing construction waste or impacted soil into surface soils.		
Importation or illegal dumping of materials on site, introducing construction waste or impacted soil to site.	SP1, SP2, SP3, SP4 and Shed	TRH, BTEX, PAH, OCP/OPP, PCB, metals and asbestos
Pesticide use in this area	TP16, TP17, TP 43, TP44, TP45, TP46	OCP/OPP
Underground Storage Tank and surrounding area	TP38, TP39 and TP40	TRH, BTEX, PAH,OCP/OPP, VOC and PCB

10.3 Potential Receptors and Exposure Pathways

Based on a commercial/industrial site use and the potential sources of contamination outlined above, the potential receptors from contamination were considered to comprise:

- Future construction workers from:
  - Dermal contact with contaminated soil/dust;
  - Ingestion of contaminated soil/dust; and
  - Vapour inhalation of volatile contaminants.
- Groundwater (leachable contaminants and potential leaks from USTs and ASTs).
- Terrestrial ecosystems from direct uptake and diffusion of CoPC in soil.

Migration of CoPC in the subsurface may be influenced by zones of higher permeability within the fill and/or natural strata and/or underground services present beneath the site.

11 Assessment Criteria

The criteria adopted for this investigation are outlined in **Table A**, in the 'Tables' section of this report, and have been discussed in detail in **Appendix C**.

To assess the significance of contaminant concentrations in soil, reference was primarily made to NEPM (2013), 'Schedule B1 Guideline on Investigation Levels for Soil and Groundwater' (Schedule B1), assessment criteria, where available. Schedule B1 provides a framework for the use of investigation and screening levels based on human health and ecological risks. In the absence of relevant criteria in NEPM (2013), reference was made to other nationally or state endorsed guidelines.

Based on the objectives and the development of the site under its current zoning of RE1 – Public Recreation (predominant), RU4 – Primary Production Small Lots and SP2 – Infrastructure, criteria for an urban residential/public open space land use was deemed appropriate for this DSI.

Soil Health Investigation Levels (HILs), soil Health Screening Levels (HSLs), Ecological Investigation Levels (EIL s), Ecological Screening Levels (ESLs), and petroleum hydrocarbon Management Limits were adopted from Schedule B1 of NEPM (2013) while Direct Contact criteria were adopted from CRC CARE (2011).

EIL/ESL criteria have been adopted as Tier 1 assessment criteria with the majority of site consisting of grasses and trees. In addition to the grass areas on site, the Toongabbie Creek to the north east of site presents a local ecological receptor. These have only been adopted as a screening tool as it is understood that the site will be developed with significant amounts of material to be imported onto site changing the existing height by several metres in some locations, thereby potentially making the EIL/ESL criteria invalid.

The specific adopted criteria are outlined in **Table A**, in the 'Tables' section of this report, and discussed in **Appendix C**.

12 Fieldwork Methodology

12.1 Fieldwork Preliminaries

A desktop search for underground services was undertaken using the DBYD service.

A SSP was prepared to document the foreseeable hazards associated with the works and to outline the measures that would be implemented to remove or manage the associated health and environmental risks.

Prior to ground disturbance, test pit locations were cleared of underground and overhead services by Mr Mac Group (Mr Mac), a licensed underground services locator.

12.2 Test Pit Rationale

The intrusive works were undertaken over three days, 14 – 16 March 2018. Test pit progression methodology and rationale for the soil assessment are described in **Table 4** below. Locations below are presented in **Figure 4** in the 'Figures' section of this report.

Table 4: Test Pit Methods and Rationale

Test Pit ID	Location	Surface	Target Depth (mBGL)	Sampling Method	Rationale
TP1	Post office area	Grass/bare soil	1.0	Excavator	Site coverage
TP2	Post office Area	Grass/bare soil	1.0	Excavator	Test pit installed near septic tank
TP3	Post office area	Grass/bare soil	1.0	Excavator	Site coverage
TP4	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP5	Eastern paddock	Grass/bare soil	1.0	Excavator	Test pit installed in close proximity to friable asbestos area
TP6	Eastern paddock	Grass/bare soil	1.0	Excavator	Test pit installed in close proximity to friable asbestos area
TP7	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP8	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP9	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP10	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP11	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP12	Eastern paddock	Grass/bare soil	1.0	Excavator	Site coverage

TP13	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP14	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP15	Improved Pasture area	Grass/bare soil	1.0	Excavator	Site coverage
TP16	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP17	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP18	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP19	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP20	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP21	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP22	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP23	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP24	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP25	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP26	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP27	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP28	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP29	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP30	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP31	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP32	Western Paddock	Grass/bare soil	1.0	Excavator	Site coverage
TP33	South of Cemetery	Grass/bare soil	1.0	Excavator	Site coverage
TP34	South of Cemetery	Grass/bare soil	1.0	Excavator	Site coverage
TP35	South of Cemetery	Grass/bare soil	1.0	Excavator	Site coverage
TP36	South of Cemetery	Grass/bare soil	1.0	Excavator	Site coverage

TP37	South of Cemetery	Grass/bare soil	1.0	Excavator	Site coverage
TP38	Post office area	Grass/bare soil	1.0	Excavator	Test pit installed near UST
TP39	Post office area	Grass/bare soil	1.0	Excavator	Test pit installed near UST
TP40	Post office area	Grass/bare soil	1.0	Excavator	Test pit installed near UST
TP41	Post office area	Grass/bare soil	1.0	Excavator	Site coverage
TP42	Improved Pasture area	Grass/bare soil	1.0	Excavator	Site coverage
TP43	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP44	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP45	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP46	Improved pasture area	Grass/bare soil	1.0	Excavator	Test pit installed where improved pasture suspected
TP47	Improved pasture area	Grass/bare soil	1.0	Excavator	Site coverage

12.3 Stockpile sampling Rationale

The stockpile sampling was undertaken on the 13th March 2018. Stockpile locations are presented in **Figure 3** in the 'Figures' section of this report.

Table 5: Stockpile Sampling Methods and Rationale

Stockpile ID	Location	Surface	Target Depth (mBGL)	Sampling Method	Rationale
SP1-01	South eastern corner of site	Grass/trees	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP1-02	South eastern corner of site	Grass/trees	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP1-03	South eastern corner of site	Grass/trees	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP2-01	North eastern corner of site	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP2-02	North eastern corner of site	Grass/bare soil	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP2-03	North eastern corner of site	Grass/bare soil/shrubbery	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP2-04	North eastern corner of site	Grass/bare soil/shrubbery	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP3-01	South western corner of site	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP3-02	South western corner of site	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation

SP3-03	South western corner of site	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP04-01	Western boundary of site (roadside St Bartholomew's Place)	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP04-02	Western boundary of site (roadside St Bartholomew's Place)	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP04-03	Western boundary of site (roadside St Bartholomew's Place)	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SP04-04	Western boundary of site (roadside St Bartholomew's Place)	Grass	0.1-0.2 (Surface)	Trowel/shovel	Stockpile characterisation
SHED	Western boundary of site (north east of SP04-03)	Grass/bare soil	0.1/0.2 (Surface)	Trowel/shovel	Stockpile characterisation

13 Laboratory Analysis

Eurofins Mgt Pty Ltd (Eurofins) and Australian Laboratory Services Pty Ltd (ALS) were engaged as the primary and secondary or 'check' laboratory for chemical testing, respectively. The laboratories are NATA accredited for the analysis undertaken.

Primary soil samples were submitted for analysis of CoPC as outlined below in **Table 5**.

Table 5: Analytical Schedule

AEC	Sample Locations	Sample ID	Analysis
Underground Storage Tank	TP38, TP39 and TP40	TP38_0.0-0.1, TP39_0.0-0.1, TP40_0.0-0.1	Metals, TRH, BTEX, PAH, OCP/OPP, PCB, VOC and asbestos
Area of suspected improved pasture	TP16, TP17, TP43, TP44, TP45, TP46	TP16_0.0-0.1, TP17_0.0-0.1, TP43_0.0-0.1, TP44_0.0-0.1, TP45_0.0-0.1, TP46_0.0-0.1	Metals, TRH, BTEX, PAH, OCP/OPP, PCB and asbestos
Site wide filling activities and environmental practices during historical use of the site	TP1-15, TP18-37, TP39, TP41, TP42, TP47	TP1_0.0-0.1, TP2_ 0.0-0.1, TP3_0.0-0.1, TP4_0.0-0.1, TP5_0.0-0.1, TP6_0.0-0.1, TP7_0.0-0.1, TP8_0.0-0.1, TP9_0.0-0.1, TP10_0.0-0.1, TP11_0.1-0.2, TP12_0.0-0.1, TP13_0.0-0.1, TP14_0.0-0.1, TP15_0.0-0.1, TP18_0.0-0.1, TP19_0.0-0.1, TP20_0.0-0.1, TP21_0.0-0.1, TP22_0.0-0.1, TP23_0.0-0.1, TP24_0.0-0.1, TP25_0.0-0.1, TP26_0.0-0.1, TP27_0.0-0.1, TP28_0.0-0.1, TP29_0.0-0.1, TP30_0.0-0.1, TP31_0.0-0.1, TP32_0.0-0.1, TP33_0.0-0.1, TP34_0.0-0.1, TP35_0.0-0.1, TP36_0.0-0.1, TP37_0.0-0.1, TP39_0.4-0.5, TP41_0.0-0.1, TP42_0.0-0.1, TP47_0.0-0.1	Metals, TRH, BTEX, PAH, OCP/OPP, PCB and asbestos
Site wide filling activities and environmental practices during historical use of the site	TP1-2, TP4-38, TP40-47	TP1_0.4-0.5, TP2_0.6-0.7, TP4_0.5-0.6, TP5_0.4-0.5, TP6_0.8-0.9, TP7_0.3-0.5, TP8_0.9-1.0, TP9_0.8-0.9, TP10_0.9-1.0, TP11_0.9-1.0, TP12_0.9-1.0, TP13_0.5-0.6, TP14_ 0.9-1.0, TP15_0.9-1.0, TP16_0.9-1.0, TP17_0.9-1.0, TP18_0.9-1.0, TP19_0.9-1.0, TP20_0.9-1.0, TP21_0.9-1.0, TP22_0.9-1.0, TP23_0.9-1.0, TP24_0.9-1.0,TP25_0.9-1.0, TP26_0.9-1.0, TP27_0.9-1.0, TP28_0.8-0.9, TP29_ 0.9-1.0, TP30_0.9-1.0, TP31_0.9-1.0,	Metals, TRH, BTEX, PAH and asbestos

		TP32_0.9-1.0, TP33_0.9-1.0, TP34_0.9-1.0, TP35_1.1-1.2, T36_0.9-1.0, TP37_0.9-1.0, TP38_0.4-0.5, TP40_0.4-0.5, TP41_0.4-0.5, TP42_0.9-1.0, TP43_0.4-0.5, TP44_0.9-1.0, TP45_0.9-1.0, TP46_0.9-1.0, TP47_0.9-1.0	
Stockpiles of Unknown Origin	SP01, SP02, SP03, SP04, SHED	SP01_01, SP01_02, SP01_03, SP02_01, SP02_02, SP02_03, SP02_04, SP03_01, SP03_02, SP03_03, SP04_01, SP04_02, SP04_03, SP04_04, SHED_1	Metals, TRH, BTEX, PAH, OCP/OPP, PCB and asbestos

14 Results

14.1 Subsurface Profile

The majority of the site comprised of natural brown silty clays and brown-red clays. Fill material was not noted consistently across the site or to significant depths but was identified in surface soils 0.0-0.2 mBGL in only a number of test pits. A summary of fill material types encountered on site are included below:

- Fill at TP1 and TP2 consisted of a brown silty clay with tile, blue metal, glass and asbestos;
- TP4 consisted of a dark orange clay with loose concrete and glass;
- Fill within TP5 and TP6 consisted of dark brown silty clay and sandy clay, with glass, tile fragments, plastic and stones;
- TP7 consisted of black, sandy clay with metal and glass, and was suspected to be incinerator waste;
- Fill within TP14 consisted of tan brown silty clay with glass and asbestos fragments throughout;
- TP30 consisted of brown sandy clay, with concrete blocks and pieces of ceramic;
- Fill within TP38 consisted of brown sandy clay with building debris including bricks, tiles, crushed concrete and blue metal (40%);
- Fill within TP39 consisted of dark brown silty clay and an asbestos fragments;
- TP40 consisted of brown sandy clay with glass, concrete, metal, asbestos fragments and blue metal; and
- TP41 consisted of brown sandy clay with ceramic fragments, crushed concrete and river stones (10%).

Natural soil was generally identified at depths between 0.1-0.3 mBGL within test pit locations across the site. The natural material identified was described as soft to hard, brown-red to grey clay.

Subsurface conditions were logged in general accordance with AS 1726 – 1993.

Copies of the soil logs are provided in **Appendix D**.

14.2 Field Screening

A PID was used to screen the soil profile at each test pit location. The results are shown on the soil logs in **Appendix D**. The majority of PID readings across the site were low (i.e. <10 ppm), with the exception of one reading at TP44 (33.8 ppm).

14.3 Analytical Results

Laboratory results are provided in **Appendix E** and are summarised in **Table A** in the 'Tables' section of this report. Test pit and stockpile locations are shown in **Figure 3 & 4** in the 'Figures' Section of this report.

Analytical results for the soil samples analysed as part of this DSI did not exceed adopted health-based criteria for commercial/industrial land use at the site.

Specific summaries for each of the area of the site/AEC is as follows:

Post Office Area and UST

Laboratory results from soil sampled from the test pit targeting fill material near the UST (TP38) and surrounding the post office (TP1, TP2, TP3, TP39, TP40 and TP41) can be summarised as follows:

- Concentrations of TRH, BTEX and PAHs were below the laboratory practical quantitation limit (PQL) in the nine samples taken from TP1, TP3, TP38, TP40 and TP41;
- Concentrations of OCPs, OPPs and PCBs were below the PQL in all eight samples analysed;
- Concentrations of TRH at TP2_0.0-0.1 were above the PQL but below the adopted site assessment criteria with no detections of TRH within deeper sample (TP2 0.6-0.7) ;
- Concentrations of PAH within sample TP39_0.0-0.1 were above the PQL but below the adopted site assessment criteria with no detections of PAHs within the deeper sample (TP39_0.4-0.5);
- Concentrations of VOCs for TP38, TP39 and TP40 were below the PQL; and
- Metal concentrations were generally above the PQL but were below the adopted site assessment criteria, with the exception of zinc in soil samples TP2_0.0-0.1 (780 mg/kg), TP39_0.0-0.1 (570 mg/kg), TP40_0.0-0.1 (530 mg/kg) and TP41_0.0-0.1 (480 mg/kg) which exceeded the site specific EILs (360 mg/kg) for a commercial/industrial land use.

South of Cemetery

Laboratory results from soil sampled from test pits to the south of the cemetery (TP33-TP37) can be summarised as follows:

- Concentrations of TRH, BTEX and PAHs were below the PQL in all nine samples analysed;
- Concentrations of OCPs, OPPs and PCBs were below the PQL in all five samples analysed; and
- Concentrations of metals were generally above the PQL but were below the adopted site assessment criteria in all nine samples analysed.

Western Paddock

Laboratory results from soil sampled from the test pits in the western portion of the site (TP13, TP14, and TP18-TP32) can be summarised as follows:

- Concentrations of TRH, BTEX and PAHs were below the PQL in all 35 samples analysed;
- Concentrations of OCPs were above the PQL but were below the adopted site assessment criteria in 14 of the 17 samples analysed, and below the PQL for three samples;
- Concentrations of OPP and PCBs were below the PQL in all 17 samples analysed; and
- Concentrations of metals were generally above the PQL but were below the adopted site assessment criteria in all 35 samples analysed.

Improved Pasture Area

Laboratory results from soil sampled from test pits targeting the area of suspected improved pasture (TP16, TP17, TP43-TP46) and central area (TP15, TP42, TP47) can be summarised as follows:

- Concentrations of TRH, BTEX and PAHs were below the PQL in all 18 samples analysed;
- Concentrations of OCPs were above the PQL but were below the adopted site assessment criteria in all four of the nine samples analysed, and below the PQL in five samples;
- Concentrations of OPP and PCBs were below the PQL in all nine samples analysed; and

- Concentrations of metals were generally above the PQL but were below the adopted site assessment criteria in all 18 samples analysed.

Eastern Paddock

Laboratory results from soil sampled from the test pits in the eastern portion of the site (TP4-TP12) can be summarised as follows:

- Concentrations of BTEX and PAHs were below the PQL in all 18 samples analysed;
- Concentrations of TRHs were below the PQL with the exception of F2-Naphthalene which was reported above the ESL criteria in sample TP9_0.0-0.1 (64 mg/kg) ;
- Concentrations of OCPs were above the PQL but were below the adopted site assessment criteria in two of the samples analysed, and below the PQL in seven of the samples;
- Concentrations of OPP and PCBs were below the PQL in all nine samples analysed; and
- Concentrations of metals were generally above the PQL but were below the adopted site assessment criteria in the 18 samples analysed.

Stockpiles

Laboratory results from the 15 samples targeting the four stockpiles located on site (identified on **Figure 3** in the 'figures' section of this report) can be summarised as follows:

- Concentrations of BTEX, OPP and PCBs were below the PQL in all 15 samples analysed;
- Concentrations of TRHs were detected above the PQL in 6 of 15 samples, but below the adopted site assessment criteria;
- Concentrations of PAHs were detected above the PQL but were below the adopted site assessment criteria in all 15 samples analysed;
- Concentrations of OCPs were above the PQL in three samples but were below the adopted site assessment criteria; and
- Concentrations of metals were generally above the PQL but were below the adopted site assessment criteria with the exception of zinc in sample SP04_01 (370 mg/kg) which exceeded the site specific EILs (360 mg/kg) for a commercial/industrial land use.

Asbestos sampling

Asbestos presence/absence testing was undertaken on the soil samples from all forty-seven test pits. Laboratory analysis indicated no asbestos fibres were detected at the reporting limit of 0.1 g/kg. Field screening for asbestos as per NEPM (2013) was undertaken at seven locations across the site (TP5, TP6, TP14, TP39, TP31, TP39 and TP40). Laboratory analysis of the samples did not identify any asbestos at the reporting limit of 0.1 g/kg.

ACM fragments were also collected and submitted for analysis. Fibre cement sheet fragments were positive for asbestos at test pit location TP1, TP2, TP14, TP39, and TP40, and on all four stockpiles. Other ACM fragments were identified on the surface around the site and are shown in **Figure 5** in the figure section of this report. A summary of the positive asbestos results are outlined below in **Table 6.**

Table 6: Asbestos Analytical Summary

Sample location	Depth	Result
TP01 – post office area	0.1-0.2	Chrysotile (White asbestos)
TP02 – post office area	0.0-0.1	Chrysotile (White asbestos)
TP14 – western paddock	0.0-0.1	Chrysotile (White asbestos) Amosite (Brown asbestos)
TP39 – UST area	0.0-0.1	Chrysotile (White asbestos) Amosite (Brown asbestos) Crocidolite (Blue asbestos)
TP40 – UST area	0.0-0.1	Chrysotile (White asbestos) Amosite (Brown asbestos)
SP01-01 – south eastern corner, end of Tarlington Place	0.1-0.2	Chrysotile (White asbestos)
SP02-02 – north eastern corner	0.0-0.1	Chrysotile (White asbestos) Crocidolite (Blue asbestos)
SP02-04 – north eastern corner	0.0-0.1	Chrysotile (White asbestos) Amosite (Brown asbestos)
SP03-03 – western perimeter, east of St Bartholomew's Place	Surface	Chrysotile (White asbestos) Amosite (Brown asbestos) Crocidolite (Blue asbestos)
SP04-01 – western perimeter, east of St Bartholomew's Place	0.1-0.2	Chrysotile (White asbestos) Amosite (Brown asbestos)
Roadside outside post office	Surface	Chrysotile (White asbestos) Amosite (Brown asbestos) Crocidolite (Blue asbestos)
Western perimeter, 'shed'	Surface	Chrysotile (White asbestos)
North eastern corner, adjacent asbestos zone	0.1-0.2	Chrysotile (White asbestos) Amosite (Brown asbestos)
Post office area, western side between external and internal fence	0.0-0.2	Chrysotile (White asbestos) Amosite (Brown asbestos) Crocidolite (Blue asbestos)

15 Discussion

Discussion of field and analytical results have been split into defined areas of the site. The areas were identified based on available information and site observations during the PSI undertaken by Prensa consultants.

15.1 Post Office Area and UST

A vent pipe assumed to be associated with an UST was identified and further investigated. No dip point was able to be located and without the use of a Ground Penetrating Radar (GPR) the presence of the UST was unable to be confirmed. Test pitting activities were undertaken in this area however Prensa was unable to undertake a deeper excavation with the excavator on site refusing on bedrock. The potential for contamination arising from the suspected UST at depth is still unknown. No visual contamination or hydrocarbon odour associated with historical use of the UST was noted however as discussed the test pits were unable to be advanced to depth. It should be noted that the test pits advanced in this identified fill material with ACM fragments present in TP1, TP2, TP39 and TP40.

Laboratory chemical analytical results for samples collected from these test pits were either below the PQL or below the adopted site assessment criteria for commercial/industrial land use with the exception of zinc levels which exceeded the EIL criteria in the four test pits surrounding the Post Office building. It is likely that zinc levels noted in this location are derived from the galvanised sheet metal roofing of the post office building, which can undergo a leaching process from contact with rainwater, resulting in zinc being deposited in the surrounding soils. The elevated zinc in this location, above the ESL criteria, is not considered to limit the ongoing use of the site as a cemetery. Additionally due to the proposed importation of fill material to the site, it is considered that the asbestos identified on site will be covered in the future. In the short term however any works in this area need to consider and be undertaken as per the Asbestos Management Plan for the site.

15.2 South of Cemetery

Test Pits TP33-TP37 were advanced to assess the potential contamination surrounding the two high voltage power line pylons and the land in between the cemetery and the Motorway. The area was uneven with what appeared to be an old road running alongside the cemetery's fence line. Charcoal and bitumen fragments were noted within soil in this area however all results from the soil samples analysed from the test pits were either below the PQL or the adopted site assessment criteria for a commercial/industrial land use. Visual assessments of the test pits and laboratory analysis did not display any other contaminants within the area directly south of the cemetery.

15.3 Western Paddock

Test Pits in the Western Paddock portion of the site were progressed in a gridded pattern to assess this expansive section of the property. No AECs were identified which warranted specific sampling locations in this area of the site. The results from the soil samples analysed from the seventeen test pits were either below the PQL or the adopted site assessment criteria for commercial/industrial land use. ACM fragments were found within TP14. No asbestos fines or friable material was identified above the detection limit in any of the soil samples taken from this area. Old concrete footings and a wire fence was noted in close proximity to this area which would suggest the presence of historical buildings in this area, which are likely the origin of the asbestos fragments identified at TP14. Visual assessments of the test pits and laboratory analysis did not display any other contaminants within the western paddock area.

15.4 Improved Pasture Area

Test pits TP15-TP17 and TP42-TP47 were advanced to assess the potential contamination within and surrounding the area where improved pasture was previously suspected. All results from the soil samples taken from the nine test pits were either below the PQL or below the adopted site assessment criteria for commercial/industrial land use. Based on visual assessment and laboratory data, no impact associated with agricultural practices was identified.

15.5 Eastern Paddock

Test pits TP4-TP12 were advanced in both a gridded assessment and targeted assessment in the eastern paddock to capture the potential contamination from the historical uses of the site as residential property and to target the area were friable asbestos had been previously identified.

Laboratory results were either below the PQL or below the adopted site assessment criteria for a commercial/industrial land use except of F2-Napthelene in sample TP9_0.0-0.1 which had a reported concentration of 64 mg/kg which is above the Ecological Screening Levels (ESL). TP9 was identified in

the middle of the paddock away from the Cumberland Plain Woodland Forrest, which is located in the current RMA land that was inaccessible at the time of the DSI works. It is understood that the proposed development will significant change the appearance of the site with portions of the site covered by up to several metres of imported soils. This minimises the effect of the TRHs on the ecological areas of the site as the location of the exceedance and future site use makes it negligible. Although there were signs of contamination noted in TP7 with dark fill material and potential incinerator waste the material did not record any concentrations of potential contaminants above the adopted site assessment criteria. Based on these lab findings and field observations, no impact associated with the Eastern Paddock area was identified.

15.5.1 Friable Asbestos Area

During a site walkover friable asbestos and ACM fragments were identified in the north eastern portion of this area. Friable asbestos fragments were noted on the surface which triggered an emergency temporary covering of the area in geo fabric material. The friable asbestos is likely associated with historical structures or the importation of fill to backfill service trenches within this area. This area is currently being managed in the short term through the application of an AMP, installation of geofabric material and erection of a barrier with asbestos signage. This area requires further consideration as it is noted several services including fibre optics, water and electrical infrastructure are located within the impacted zone. It is understood that this area cannot be covered due to the infrastructure present which requires service providers to have access at all times. The services pose an additional issue, as the excavation and disturbance of soils in this area are limited to several metres from the service (depending on the service). It is recommended that a site walkover with all relevant stakeholders is undertaken to appropriately understand the requirements of each service provider to tailor a solution for this location.

15.6 Stockpiles

Stockpile on site were sampled to capture potential contaminants that could have been introduced on site through dumping of unknown material. All stockpiles had ACM fragments identified however all laboratory chemical analysis results were either below the PQL or the adopted site assessment criteria for commercial/industrial land use. It would appear that asbestos materials outside of the friable area noted in the north east of site are predominantly comprised of bonded asbestos fragments. It is understood that an Asbestos Management Plan is currently in place to manage asbestos risks on site. Based on visual and laboratory data, no further impact associated with the stockpiled material was identified.

16 Quality Assurance and Quality Control

Prensa implements project specific quality assurance/quality control (QA/QC) procedures to improve transparency, consistency, comparability, completeness, and confidence in the data collected. Field and laboratory QA/QC procedures, results and compliance with DQIs define the acceptable level of error required for this assessment are provided in **Appendix F**.

17 Conclusions

Based upon the investigation undertaken, the following comments can be made:

- The ESL exceedances noted on site are not considered to be in an ecologically significant area for flora and fauna, additionally given that the majority of the site is to be filled with imported material the ESL exceedances are not considered to be applicable;
- While no exceedances were noted in the samples targeting the UST, deeper excavation of the area was not possible at the time and there is potential for contamination from the UST at depth to exist which has not been identified during this investigation;
- An area of land owned by the RMA was not accessible for intrusive works at the time of the investigation. Therefore, there is potential for contamination to exist in this area that has not been identified during this investigation;
- Bonded fragments were identified in several stockpiles across the site. The overall risk of bonded asbestos identified on site is currently being managed by Blacktown City Council through ongoing works and the AMP. The asbestos on site does not preclude the ongoing use of the site as a cemetery however all works will need to consider and factor in the potential presence of asbestos identified on site;
- Friable asbestos was noted within the north east corner of the site. It is understood that the friable area has been covered and is currently being managed in the short term however due to the presence of several services and also the requirement to undertake works in this area, further consideration is required in appropriately managing this area.
- It should also be noted that the sampling density is below that required in Australian Standard 4482.1 for a site of this size, however due to the limited areas of environmental concern identified, 47 sampling locations is considered sufficient to address the objectives of the assessment.

Based on the fieldwork undertaken and a review of analytical results, Prensa considers that the contamination identified does not preclude the development and rezoning of the site to SP2 – Cemetery. It is however recommended that further works are undertaken to ensure workers are not at risk due to the potential presence of contaminants on site. Recommended works have been summarised in Section 18 below.

18 Recommendations

The following works are recommended for site:

- Additional investigation is recommended around the UST to determine if historical use of the UST has caused contamination;
- Additional investigation works in the RMA land to assess for the presence of contamination in these areas;
- It is recommended that further consideration and discussion around the friable area is undertaken with council and all stakeholders with services in the area to determine appropriate remediation/management; and
- It is recommended that the AMP for the site is updated to include the findings of this report in regards to potential asbestos locations and controls.

Abbreviations

Abbreviation	Definition
AHD	Australian Height Datum
AS	Australian Standard
B(a)P	Benzo(a)pyrene
BGL	Below Ground Level
COC	Chain of Custody
CoPC	Contaminant of Potential Concern
CLM	Contaminated Land Management
DBYD	Dial Before You Dig
DEC	Department of Environment and Conservation
DECCW	Department of Environment, Climate Change and Water
EPA	Environment Protection Authority
HIL	Health Investigation Level
HSL	Health Screening Level
NATA	National Association of Testing Authorities
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
PAH	Polycyclic Aromatic Hydrocarbons
PID	Photo-ionisation Detector
POEO	Protection of the Environment Operations
PPM	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RPD	Relative Percentage Difference
SEPP	State Environmental Planning Policy
SSP	Site Safety Plan
TRH	Total Recoverable Hydrocarbons
VOC	Volatile Organic Compounds

Figures

prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: SITE LOCATION FIGURE	File name: 57658 Figures		Figure number: 1	Revision: A

prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: AREAS OF ENVIRONMENTAL CONCERN	File name: 57658 Figures		Figure number: 2	Revision: A

St Bartholomews

Stockpile Sample Locations

Legend

- ACM Impacted Locations
- Sample Locations

Note: All locations are approximate

prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: STOCKPILE SAMPLING LOCATIONS	File name: 57658 Figures		Figure number: 3	Revision: A

prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: TEST PIT LOCATIONS	File name: 57658 Figures		Figure number: 4	Revision: A

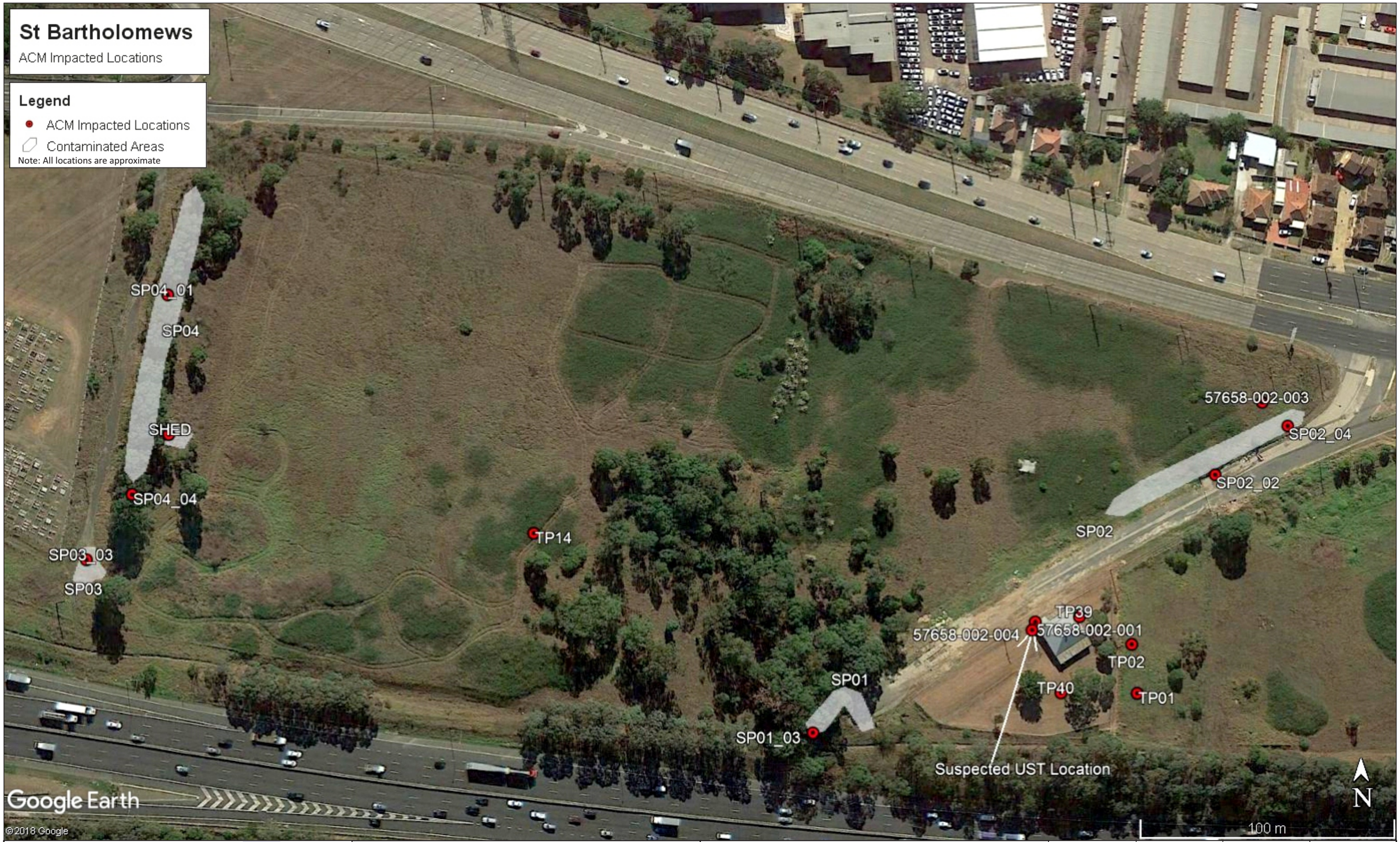
St Bartholomews

ACM Impacted Locations

Legend

- ACM Impacted Locations
- Contaminated Areas

Note: All locations are approximate



prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: ACM IMPACTED SAMPLING LOCATIONS	File name: 57658 Figures		Figure number: 5	Revision: A

prensa	Client: APP Corporation Client No.: A0024	Address: PONDS ROAD, PROSPECT, NSW	Drawn by: MXJ	Date: 22/03/2018	Checked by: ECM	Date: 23/03/2018
Level 2, 115 Military Rd, Neutral Bay NSW 2089 sydneyadmin@prensa.com.au P: (02) 8968 2500 F: (02) 8968 2599 www.prensa.com.au	Project: PROSPECT CONTAMINATION ASSESSMENT Job No.: 57658	Drawing Title: SITE DIVISIONS	File name: 57658 Figures		Figure number: 6	Revision: A

Tables

	Asbestos	Particle Size	BTEX							Chlorinated Hydrocarbons																																	
	Asbestos	% Clay*	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10 less BTEX (F1)	Chlorinated hydrocarbons EPA VAc	Other chlorinated hydrocarbons EPA VAc	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethene	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethene	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	
	g/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
PQL	0.1	1	0.1	0.1	0.1	0.2	0.1	0.3	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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 1A(1) HILs Comm/Ind D Soil																																									
NEPM 2013 Table 1A(1) HILs Rec C Soil																																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																									
0-1m			3|4	NL	NL			NL|230	250|260|310																																
1-2m			3|4|6	NL	NL			NL	360|370|480																																
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																									
0-1m			NL	NL	NL			NL	NL																																
1-2m			NL	NL	NL			NL	NL																																
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																									
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance			10	40	65			1.6	125																																
0-2m			8	1.5	10			10	125																																
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																									
0-2m			75|95	165|185	135			95|180	215																																
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																									

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range																																								
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP18 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP18 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	34	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP23 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP23 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP24 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP24 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP25 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP25 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Asbestos	Particle Size	BTEX							Chlorinated Hydrocarbons																																		
	Asbestos	% Clay*	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene Total	TPH C10 less BTEX (F1)	Chlorinated hydrocarbons 1 PAVIc	Other chlorinated hydrocarbons 1 PAVIc	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Dibromomethane	Dichloromethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride
	e/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POL	0.1	1	0.1	0.1	0.1	0.2	0.1	0.3	20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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 1A(1) HILs Comm/Ind D Soil																																										
NEPM 2013 Table 1A(1) HILs Rec C Soil																																										
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																										
0-1m			3|4	NL	NL			NL|230	250|260|310																																	
1-2m			3|4|6	NL	NL			NL	360|370|480																																	
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																										
0-1m			NL	NL	NL			NL	NL																																	
1-2m			NL	NL	NL			NL	NL																																	
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																										
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance			10	40	65			1.6	125																																	
0-2m			8	1.5	10			10	125																																	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																										
0-2m			75|95	165|185	135			95|180	215																																	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																										
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																										

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range																																									
TP26 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP26 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28 0.8-0.9	15/03/2018	SOIL	0.8-0.9	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 0.9-1.0	15/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP35 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP35 1.1-1.2	15/03/2018	SOIL	1.1-1.2	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP36 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP37 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP37 0.9-1.0	14/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP38 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP38 0.4-0.5	15/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP39 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP39 0.4-0.5	15/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP40 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP40 0.4-0.5	15/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP41 0.0-0.1	15/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP41 0.4-0.5	15/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP42 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP42 0.9-1.0	16/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP43 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP43_0.4-0.5	16/03/2018	SOIL	0.4-0.5	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP44 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP44 0.9-1.0	16/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP45 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP45 0.9-1.0	16/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP46 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP46 0.9-1.0	16/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP47 0.0-0.1	16/03/2018	SOIL	0-0.1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP47 0.9-1.0	16/03/2018	SOIL	0.9-1	NAD	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T1: Soil Analytical Summary TP1-42

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	Halogenated Benzenes							Halogenated Hydrocarbons					Inorganics	MAH					Metals							
	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Moisture Content (dried @ 103 °C)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Zinc
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	20	5	0.1	5	5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							80												3000	900		240000		1500	730	6000	400000
NEPM 2013 Table 1A(1) HILs Rec C Soil							10												300	90		17000		600	80	1200	30000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																											
0-1m																											
1-2m																											
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																											
0-1m																											
1-2m																											
NEPM 2013 Table 1B(1) EILs for Comm/Ind																			160		660	150		18,000		400	360
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																											
0-2m																											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																											
0-2m																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																											

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range																										
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	-	-	-	-	-	-	<0.05	-	-	-	-	-	31	-	-	-	-	-	15	<0.4	26	44	-	160	0.3	21	250
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	19	<0.4	28	37	-	25	<0.1	22	48
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<0.5	<0.5	14	1.4	57	140	-	330	0.5	40	780
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	11	<0.4	30	34	-	22	<0.1	14	39
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	11	<0.4	48	35	-	100	0.3	27	170
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	14	-	-	-	-	-	10	<0.4	41	52	-	140	0.2	25	160
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	13	<0.4	32	26	-	12	<0.1	8.8	30
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<0.5	<0.5	4.7	<0.4	28	27	58,000	75	<0.1	15	83
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	4.5	<0.4	25	27	-	29	<0.1	8.1	36
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<0.5	<0.5	5.5	<0.4	25	30	-	100	<0.1	14	210
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	<2	<0.4	16	37	-	12	<0.1	7.9	44
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	18	<0.5	<0.5	<0.5	<0.5	<0.5	7	<0.4	24	30	-	150	0.1	20	68
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	6.4	<0.4	33	45	-	29	<0.1	16	75
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	19	-	-	-	-	-	8.8	<0.4	46	31	-	65	<0.1	24	87
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	5.3	<0.4	25	55	-	28	<0.1	16	78
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	7.9	<0.4	38	50	-	84	<0.1	17	61
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	9.1	<0.4	14	30	-	13	<0.1	<5	26
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	15	-	-	-	-	-	6.9	<0.4	29	45	-	56	0.1	10	52
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	3	<0.4	17	43	-	21	<0.1	13	70
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	-	-	-	-	-	-	<0.05	-	-	-	-	-	17	-	-	-	-	-	5.7	<0.4	31	24	-	67	<0.1	14	57
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	5.8	<0.4	16	33	-	14	<0.1	9.2	47
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	7	<0.4	37	21	-	52	<0.1	12	52
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	4.4	<0.4	21	48	-	19	<0.1	16	86
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	11	<0.4	21	32	-	32	<0.1	12	48
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	6.2	<0.4	10	49	-	21	<0.1	<5	24
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	11	-	-	-	-	-	18	<0.4	27	45	-	50	<0.1	12	60
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	9.9	<0.4	26	42	-	26	<0.1	8.2	41
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	13	-	-	-	-	-	11	<0.4	25	36	-	39	<0.1	8.9	42
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	9.7	<0.4	17	26	-	16	<0.1	<5	24
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	11	-	-	-	-	-	14	<0.4	28	42	-	38	<0.1	11	46
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5	<0.5	<0.5	<0.5	4.6	<0.4	17	28	-	15	<0.1	5	32
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	13	-	-	-	-	-	10	<0.4	26	38	-	33	<0.1	9.9	42
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	3.1	<0.4	14	29	-	13	<0.1	7.6	42
TP18 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	21	-	-	-	-	-	10	<0.4	21	60	-	30	<0.1	12	54
TP18 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	12	<0.4	14	44	-	17	<0.1	15	83
TP19 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	18	-	-	-	-	-	22	<0.4	22	49	-	52	<0.1	12	50
TP19 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	4.5	<0.4	17	41	-	14	<0.1	12	74
TP20 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	18	-	-	-	-	-	17	<0.4	22	43	-	39	<0.1	7.2	40
TP20 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	13	<0.4	9.3	18	18,000	9.9	<0.1	7.2	41
TP21 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	26	<0.4	22	51	-	59	0.1	10	52
TP21 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-	14	<0.4	8.5	37	-	14	<0.1	62	130
TP22 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	19	-	-	-	-	-	15	<0.4	26	43	-	39	<0.1	20	65
TP22_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	5.8	<0.4	11	46	-	19	<0.1	8.9	56
TP23 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	13	<0.4	22	54	-	49	<0.1	11	55
TP23 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	7.8	<0.4	8.5	30	-	13	<0.1	<5	17
TP24 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5	<0.5	<0.5	<0.5	13	<0.4	25	47	-	36	<0.1	9	38
TP24 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	5.2	<0.4	15	24	-	13	<0.1	7.6	46
TP25 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	14	-	-	-	-	-	18	<0.4	24	52	-	37	<0.1	9.3	53
TP25_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	21	<0.4	17	37	-	16	<0.1	9	49

Job: 57658
Client: APP Corporation
Site: St Bartholomews Cemetery

Table T1: Soil Analytical Summary TP1-42

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				Halogenated Benzenes							Halogenated Hydrocarbons						Inorganics	MAH					Metals								
				1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	1-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	Moisture Content (dried @ 103°C)	Total MAH	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	Styrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Iron	Lead	Mercury	Nickel	Zinc
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POL				0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	20	5	0.1	5	5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil										80												3000	900		240000		1500	730	6000	400000
NEPM 2013 Table 1A(1) HILs Rec C Soil										10												300	90		17000		600	80	1200	30000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																														
0-1m																														
1-2m																														
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																														
0-1m																														
1-2m																														
NEPM 2013 Table 1B(1) EILs for Comm/Ind																						160		660	150		18,000		400	360
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																														
0-2m																														
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																														
0-2m																														
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																														
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																														
Field_ID	**Sampled_Date-Time**	**Matrix_Type**	**Sample_Depth_Range**																												
TP26_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	16	<0.4	25	45	-	37	<0.1	11	55
TP26_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	8.1	<0.4	20	42	-	12	<0.1	8.6	45
TP27_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	13	-	-	-	-	-	10	<0.4	23	30	-	30	<0.1	9.2	47
TP27_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	7.1	<0.4	14	65	-	45	<0.1	17	89
TP28_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	9.4	-	-	-	-	-	12	<0.4	24	44	-	54	<0.1	13	68
TP28_0.8-0.9	15/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	5.4	<0.4	10	33	-	11	<0.1	<5	28
TP29_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	12	-	-	-	-	-	9	<0.4	23	54	-	40	<0.1	16	77
TP29_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	6.6	<0.4	6.4	23	-	13	<0.1	<5	20
TP30_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	15	-	-	-	-	-	7.8	<0.4	21	40	-	260	<0.1	14	130
TP30_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	8.9	<0.4	7.1	34	-	15	<0.1	<5	22
TP31_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	12	-	-	-	-	-	9.3	<0.4	25	37	-	34	<0.1	12	49
TP31_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	2.7	<0.4	5.7	22	-	10	<0.1	<5	14
TP32_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	12	-	-	-	-	-	19	<0.4	28	41	-	55	<0.1	11	55
TP32_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	30	<0.4	16	28	-	17	<0.1	<5	23
TP33_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	18	-	-	-	-	-	8.9	<0.4	25	26	-	29	<0.1	12	50
TP33_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	5	<0.4	18	42	-	16	<0.1	10	59
TP34_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	13	-	-	-	-	-	7.4	<0.4	23	27	-	29	<0.1	11	51
TP34_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	6.3	<0.4	15	36	-	16	<0.1	11	69
TP35_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.4	22	29	-	35	<0.1	11	44
TP35_1.1-1.2	15/03/2018	SOIL	1.1-1.2	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	8.8	<0.4	21	23	-	18	<0.1	5.9	33
TP36_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	20	-	-	-	-	-	8.6	<0.4	21	30	-	24	<0.1	26	62
TP37_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	15	-	-	-	-	-	9.9	<0.4	19	31	-	39	<0.1	14	64
TP37_0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	7.8	<0.4	18	47	-	39	<0.1	13	64
TP38_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.4	49	66	-	170	0.6	57	220
TP38_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	4.3	<0.4	23	29	-	19	<0.1	17	56
TP39_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5	<0.5	<0.5	<0.5	14	0.6	34	53	-	510	0.5	33	570
TP39_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<0.05	-	-	-	-	-	17	-	-	-	-	-	24	<0.4	32	35	-	93	0.3	23	160
TP40_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	19	<0.5	<0.5	<0.5	<0.5	<0.5	6.4	0.7	25	140	-	240	0.5	24	530
TP40_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	2.4	<0.4	19	43	-	25	<0.1	27	86
TP41_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	16	-	-	-	-	-	7	<0.4	45	38	-	130	<0.1	35	480
TP41_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	9.2	<0.4	23	24	-	23	<0.1	12	36
TP42_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	12	-	-	-	-	-	11	<0.4	24	21	-	39	<0.1	12	51
TP42_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	4.8	<0.4	14	27	-	14	<0.1	5.4	29
TP43_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	17	-	-	-	-	-	14	<0.4	29	34	-	37	<0.1	13	56
TP43_0.4-0.5	16/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	12	<0.4	26	18	-	23	<0.1	9.9	31
TP44_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	9.6	<0.5	<0.5	<0.5	<0.5	<0.5	10	<0.4	25	21	-	36	<0.1	8.9	38
TP44_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	22	<0.4	12	30	-	8.8	<0.1	<5	28
TP45_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	14	-	-	-	-	-	8	<0.4	20	31	-	38	<0.1	9.1	40
TP45_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	2.8	<0.4	5.1	17	-	7.3	<0.1	<5	8.5
TP46_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	17	-	-	-	-	-	15	<0.4	32	27	-	37	<0.1	7.5	45
TP46_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	7.3	<0.4	12	20	-	12	<0.1	<5	14
TP47_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	-	<0.05	-	-	-	-	-	9.7	-	-	-	-	-	11	<0.4	31	32	-	28	<0.1	11	44
TP47_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	5.9	<0.4	17	22	-	17	<0.1	5	21

				Organochlorine Pesticides																							
				Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil									45		530				3600					100				50		2500	160
NEPM 2013 Table 1A(1) HILs Rec C Soil									10		70				400					20				10		400	30
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																											
0-1m																											
1-2m																											
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																											
0-1m																											
1-2m																											
NEPM 2013 Table 1B(1) EILs for Comm/Ind																											
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																											
0-2m																											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																											
0-2m																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																											
Field ID	**Sampled Date-Time**	**Matrix Type**	**Sample Depth Range**																								
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	0.3	<0.1	0.3	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	0.25	<0.1	0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	0.07	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.1	<0.1	0.06	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP18_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	0.06	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP18_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP19_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20_0.0-0.1	15/03/2018	SOIL	0-0.1	1.03	0.1	0.6	<0.05	<0.05	0.2	<0.05	0.1	<0.05	<0.05	0.13	0.73	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP20_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21_0.0-0.1	15/03/2018	SOIL	0-0.1	0.7	<0.1	0.56	<0.05	<0.05	0.07	<0.05	<0.1	<0.05	<0.05	0.07	0.63	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP21_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	0.07	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP22_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP23_0.0-0.1	15/03/2018	SOIL	0-0.1	0.44	<0.1	0.38	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.06	0.44	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP23_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP24_0.0-0.1	15/03/2018	SOIL	0-0.1	0.17	<0.1	0.17	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP24_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP25_0.0-0.1	15/03/2018	SOIL	0-0.1	0.38	<0.1	0.38	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP25_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

												Organochlorine Pesticides																			
												Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
												mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POL												0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																	45		530				3600					100			50		2500	160
NEPM 2013 Table 1A(1) HILs Rec C Soil																	10		70				400					20			10		400	30
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																	
0-1m																																	
1-2m																																	
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																	
0-1m																																	
1-2m																																	
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																	
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																																	
0-2m																																	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																	
0-2m																																	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																	
Field_ID	**Sampled_Date-Time**	**Matrix_Type**	**Sample_Depth_Range**																														
TP26 0.0-0.1	15/03/2018	SOIL	0-0.1	0.64	<0.1	0.43	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.21	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP26 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27 0.0-0.1	15/03/2018	SOIL	0-0.1	0.28	<0.1	0.21	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.07	0.28	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP27 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28 0.0-0.1	15/03/2018	SOIL	0-0.1	0.46	<0.1	0.38	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.08	0.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP28 0.8-0.9	15/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29 0.0-0.1	15/03/2018	SOIL	0-0.1	0.26	<0.1	0.26	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP29 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30 0.0-0.1	15/03/2018	SOIL	0-0.1	0.27	<0.1	0.2	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.07	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP30 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31 0.0-0.1	15/03/2018	SOIL	0-0.1	0.46	<0.1	0.38	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.08	0.46	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP31 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	0.06	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP32 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP33 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP34 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP35 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP35 1.1-1.2	15/03/2018	SOIL	1.1-1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP36 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP37 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP37 0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP38 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP38 0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP39 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP39 0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP40 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP40 0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP41 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP41 0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP42 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP42 0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP43 0.0-0.1	16/03/2018	SOIL	0-0.1	0.11	<0.1	0.11	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP43 0.4-0.5	16/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP44 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP44 0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP45 0.0-0.1	16/03/2018	SOIL	0-0.1	0.14	<0.1	0.14	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP45 0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP46 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP46 0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP47 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1
TP47 0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T1: Soil Analytical Summary TP1-42

				Organophosphorous Pesticides																													
				Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							2000																										
NEPM 2013 Table 1A(1) HILs Rec C Soil							250																										
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																	
0-1m																																	
1-2m																																	
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																	
0-1m																																	
1-2m																																	
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																	
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																																	
0-2m																																	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																	
0-2m																																	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																	
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																	
Field_ID	**Sampled_Date-Time**	**Matrix_Type**	**Sample_Depth_Range**																														
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP18_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP18_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP19_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP19_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP20_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP20_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP21_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP21_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP22_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP22_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP23_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP23_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP24_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP24_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP25_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP25_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Organophosphorous Pesticides																														
	Azinophos methyl	Bidrin (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pirimiphos	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil				2000																											
NEPM 2013 Table 1A(1) HILs Rec C Soil				250																											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																															
0-1m																															
1-2m																															
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																															
0-1m																															
1-2m																															
NEPM 2013 Table 1B(1) EILs for Comm/Ind																															
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																															
0-2m																															
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																															
0-2m																															
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																															
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																															

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range																														
TP26_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP26_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP27_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP27_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP28_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP28_0.8-0.9	15/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP29_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP29_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP30_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP30_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP31_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP31_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP32_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP32_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP33_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP33_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP34_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP34_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP35_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP35_1.1-1.2	15/03/2018	SOIL	1.1-1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP36_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP37_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP37_0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP38_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP38_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP39_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP39_0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP40_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP40_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP41_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP41_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP42_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP42_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP43_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP43_0.4-0.5	16/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP44_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP44_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP45_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP45_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP46_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP46_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP47_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
TP47_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T1: Soil Analytical Summary TP1-42

prensa

				PAH/Phenols																			Pesticides		Polychlorinated Biphenyls							
				Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Tokuthion	Parathion	Pirimiphos-methyl	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																			4000													7
NEPM 2013 Table 1A(1) HILs Rec C Soil																			300													1
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																
0-1m																		NL														
1-2m																		NL														
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																
0-1m																		NL														
1-2m																		NL														
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance								1.4																								
0-2m								1.4																								
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																
0-2m								0.7|1.4																								
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																
Field_ID	**Sampled_Date-Time**	**Matrix_Type**	**Sample_Depth_Range**																													
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP18_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP18_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP19_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP19_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP20_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP20_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP21_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP21_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP22_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP22_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP23_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP23_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP24_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP24_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP25_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP25_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

Table T1: Soil Analytical Summary TP1-42

				PAH/Phenols																			Pesticides		Polychlorinated Biphenyls							
				Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Tokuthion	Parathion	Pirimiphos-methyl	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																			4000													7
NEPM 2013 Table 1A(1) HILs Rec C Soil																			300													1
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																
0-1m																		NL														
1-2m																		NL														
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																
0-1m																		NL														
1-2m																		NL														
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance								1.4																								
0-2m								1.4																								
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																
0-2m								0.7|1.4																								
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																
Field ID	**Sampled Date-Time**	**Matrix Type**	**Sample Depth Range**																													
TP26 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP26 0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP27_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP27 0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP28 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP28 0.8-0.9	15/03/2018	SOIL	0.8-0.9	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP29 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP29_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP30 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP30 0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP31 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP31_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP32 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP32 0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP33 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP33_0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP34 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP34 0.9-1.0	15/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP35 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP35 1.1-1.2	15/03/2018	SOIL	1.1-1.2	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP36_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP37 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP37 0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP38 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP38_0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP39 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	0.6	0.7	1.5	0.8	<0.5	0.8	0.6	<0.5	1.3	<0.5	<0.5	<0.5	6.5	0.7	1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP39 0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP40 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP40_0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP41 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP41 0.4-0.5	15/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP42 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP42 0.9-1.0	16/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP43_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP43 0.4-0.5	16/03/2018	SOIL	0.4-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP44 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP44 0.9-1.0	16/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP45_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP45 0.9-1.0	16/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP46 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP46 0.9-1.0	16/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-
TP47 0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP47 0.9-1.0	16/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-

Table T1: Soil Analytical Summary TP1-42

prensa

	Solvents					SVOCs	TRH									
	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	TPH	F2-NAPHTHALENE	C5 - C9	C10 - C14	C15 - C28	C29-C36	+ C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL	0.5	0.5	0.5	0.5	0.5	0.2	50	20	20	50	50	50	20	50	100	100
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																
NEPM 2013 Table 1A(1) HILs Rec C Soil																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																
0-1m							NL									
1-2m							NL									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																
0-1m							NL									
1-2m							NL									
NEPM 2013 Table 1B(1) EILs for Comm/Ind																
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance							25								-	-
0-2m							25								-	-
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																
0-2m							170								1700|2500	3300|6600
NEPM 2013 Table 1B(7) Management Limits Comm / Ind													700|800	1000	3500|5000	10000
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland													700|800	1000	2500|3500	10000

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range																
TP01-0.1-0.2	14/03/2018	SOIL	0.1-0.2	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP01-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP02-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	51	150	201	<20	<50	160	120
TP02-0.6-0.7	14/03/2018	SOIL	0.6-0.7	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP03-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP04-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP04-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP05-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP05-0.4-0.5	14/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP06-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP06-0.8-1.0	14/03/2018	SOIL	0.8-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP07-0.0-0.1	14/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP07-0.3-0.5	14/03/2018	SOIL	0.3-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP08-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP08-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP09-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	64	<20	81	79	<50	160	<20	64	110	<100
TP09-0.8-0.9	14/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP10-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP10-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP11-0.1-0.2	14/03/2018	SOIL	0.1-0.2	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP11-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP12-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP12-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP13-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP13-0.5-0.6	14/03/2018	SOIL	0.5-0.6	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP14-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP14-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP15-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP15-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP16-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP16-0.9-1.0	14/03/2018	SOIL	0.9-1	<0.5	<0.5	<0.5	<0.5	<0.5	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP17-0.0-0.1	14/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP17-0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP18 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP18 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP19 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP19 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP20 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP20 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP21 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP21 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP22 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP22_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP23 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	210	<50	210	<20	<50	180	<100
TP23 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP24 0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP24 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP25 0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP25 0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100

Table T1: Soil Analytical Summary TP1-42

prensa

	Solvents					SVOCs	TRH									
	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Acetone	Allyl chloride	Carbon disulfide	DPN	2-NAPHTHALENE	C6 - C9	C10 - C14	C15 - C28	C29-C36	>C10 - C36 (Sum of total)	>C10-C16	>C10-C16	>C16-C34	>C34-C40
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POL	0.5	0.5	0.5	0.5	0.5	0.2	50	20	20	50	50	50	20	50	100	100
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																
NEPM 2013 Table 1A(1) HILs Rec C Soil																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																
0-1m							NL									
1-2m							NL									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																
0-1m							NL									
1-2m							NL									
NEPM 2013 Table 1B(1) EILs for Comm/Ind																
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance							25								-	-
0-2m							25								-	-
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																
0-2m							170								1700 | 2500	3300 | 6600
NEPM 2013 Table 1B(7) Management Limits Comm / Ind													700 | 800	1000	3500 | 5000	10000
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland													700 | 800	1000	2500 | 3500	10000

Field_ID	Sampled_Date-Time	Matrix_Type	Sample_Depth_Range															
TP26_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP26_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP27_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP27_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP28_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP28_0.8-0.9	15/03/2018	SOIL	0.8-0.9	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP29_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP29_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP30_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP30_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP31_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP31_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP32_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP32_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP33_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP33_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP34_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP34_0.9-1.0	15/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP35_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP35_1.1-1.2	15/03/2018	SOIL	1.1-1.2	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP36_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP37_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP37_0.9-1.0	14/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP38_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP38_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP39_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP39_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP40_0.0-0.1	15/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP40_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP41_0.0-0.1	15/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP41_0.4-0.5	15/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP42_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP42_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP43_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP43_0.4-0.5	16/03/2018	SOIL	0.4-0.5	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP44_0.0-0.1	16/03/2018	SOIL	0-0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP44_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP45_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP45_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP46_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP46_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP47_0.0-0.1	16/03/2018	SOIL	0-0.1	-	-	-	-	-	<0.2	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
TP47_0.9-1.0	16/03/2018	SOIL	0.9-1	-	-	-	-	-	-	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100

Table 2: Stockpile Soil Analytical Summary

prensa

	BTEX						Halogenated Benzenes	Inorganics	Metals								
	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene Total	Hexachlorobenzene	Moisture Content (dried @ 103°C)	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL	0.1	0.1	0.1	0.2	0.1	0.3	0.05	1	2	0.4	5	5	5	0.1	5	5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							80		3000	900		240000	1500	730	6000	400000
NEPM 2013 Table 1A(1) HILs Rec C Soil							10		300	90		17000	600	80	1200	30000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																
0-1m	3|4	NL	NL			NL|230										
1-2m	3|4|6	NL	NL			NL										
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																
0-1m	NL	NL	NL			NL										
1-2m	NL	NL	NL			NL										
NEPM 2013 Table 1B(1) EILs for Comm/Ind									160		660	150	18,000		400	360
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance	10	40	65			1.6										
0-2m	8	1.5	10			10										
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																
0-2m	75|95	165|185	135			95|180										
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																

Field_ID	Sampled_Date-Time	Matrix_Type															
SHED_1	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	14	22	<0.4	29	36	48	<0.1	13	120
SP01_01	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	16	9.4	<0.4	20	20	58	<0.1	6	62
SP01_02	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	14	7.3	<0.4	18	30	88	<0.1	11	130
SP01_03	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	11	6.6	<0.4	33	41	220	<0.1	34	170
SP02_01	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	9.8	3.2	<0.4	42	47	80	0.2	71	85
SP02_02	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	18	11	0.4	37	33	120	<0.1	16	150
SP02_03	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	10	7.9	<0.4	30	24	50	<0.1	20	70
SP02_04	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	15	16	<0.4	23	31	53	<0.1	13	170
SP03_01	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	9.5	<2	<0.4	42	61	<5	<0.1	180	76
SP03_02	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	8	12	<0.4	23	69	51	<0.1	12	78
SP03_03	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	11	16	<0.4	13	30	19	<0.1	6.4	35
SP04_01	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	12	11	0.7	24	38	260	<0.1	13	370
SP04_02	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	5.7	2.5	<0.4	11	21	46	<0.1	5.8	42
SP04_03	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	9.3	5.6	<0.4	100	48	21	<0.1	78	75
SP04_04	13/03/2018	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<0.05	12	5.6	<0.4	14	40	33	<0.1	8.5	110

Notes:
PQL: Practical Quantitation Limit

Table 2: Stockpile Soil Analytical Summary

			Organochlorine Pesticides																						
			4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Tokuthion	Toxaphene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL			0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2	1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil						45		530				3600					100				50		2500		160
NEPM 2013 Table 1A(1) HILs Rec C Soil						10		70				400					20				10		400		30
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																									
0-1m																									
1-2m																									
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																									
0-1m																									
1-2m																									
NEPM 2013 Table 1B(1) EILs for Comm/Ind																									
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																									
0-2m																									
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																									
0-2m																									
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																									
Field_ID	**Sampled_Date-Time**	**Matrix_Type**																							
SHED_1	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP01_01	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP01_02	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP01_03	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP02_01	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP02_02	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	2.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP02_03	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP02_04	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP03_01	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP03_02	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP03_03	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP04_01	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP04_02	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP04_03	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
SP04_04	13/03/2018	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1

			Organophosphorous Pesticides																															
			Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL			0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil						2000																												
NEPM 2013 Table 1A(1) HILs Rec C Soil						250																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																		
0-1m																																		
1-2m																																		
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																		
0-1m																																		
1-2m																																		
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																		
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance																																		
0-2m																																		
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																		
0-2m																																		
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																		
Field_ID	**Sampled_Date-Time**	**Matrix_Type**																																
SHED_1	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP01_01	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP01_02	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP01_03	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	0.1
SP02_01	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP02_02	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.3	2.3
SP02_03	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.5
SP02_04	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP03_01	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP03_02	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP03_03	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP04_01	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP04_02	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP04_03	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1
SP04_04	13/03/2018	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1

Notes:
PQL: Practical Quantitation Limit

Table 2: Stockpile Soil Analytical Summary

prensa

			PAH/Phenols																				Pesticides		Polychlorinated Biphenyls							SVOCs	TPH									
			Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Parathion	Pirimiphos-methyl	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	EPN	C6-C10 less BTEX (F1)	F2-NAPHTHALENE	C6 - C9	C10 - C14	C15 - C28	C29-C36	+C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	20	50	20	20	50	50	50	20	50	100	100
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																		4000												7													
NEPM 2013 Table 1A(1) HILs Rec C Soil																		300												1													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion																																										
0-1m																	NL														250|260|310	NL										
1-2m																	NL														360|370|480	NL										
NEPM 2013 Table 1A(3) Rec C Soil HSL for Vapour Intrusion																																										
0-1m																	NL														NL	NL										
1-2m																	NL														NL	NL										
NEPM 2013 Table 1B(1) EILs for Comm/Ind																																										
NEPM 2013 Table 1B(6) ESLs for Areas of Ecological Significance						1.4																										125	25								-	-
0-2m						1.4																										125	25								-	-
NEPM 2013 Table 1B(6) ESLs for Comm/Ind																																										
0-2m						0.7|1.4																										215	170								1700|2500	3300|6600
NEPM 2013 Table 1B(7) Management Limits Comm / Ind																																								700|800	1000	3500|5000	10000
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland																																								700|800	1000	2500|3500	10000
Field_ID	**Sampled_Date-Time**	**Matrix_Type**																																									
SHED_1	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP01_01	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP01_02	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP01_03	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP02_01	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP02_02	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	23	<50	<50	<50	<20	<50	<100	<100
SP02_03	13/03/2018	SOIL	<0.5	<0.5	<0.5	1.3	0.8	1.9	2.1	<0.5	2	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	8.2	<0.5	0.6	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP02_04	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP03_01	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	0.5	<0.5	1.5	<0.5	<0.5	<0.5	4	0.6	1.4	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP03_02	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	58	58	<20	<50	<100	<100
SP03_03	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	<20	<50	<50	<50	<20	<50	<100	<100
SP04_01	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	20	<50	<50	<50	<20	<50	<100	<100
SP04_02	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	20	<50	<50	<50	<20	<50	<100	<100
SP04_03	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	24	<50	<50	<50	<20	<50	<100	<100
SP04_04	13/03/2018	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<20	<50	<20	25	<50	<50	<50	<20	<50	<100	<100

Notes:
PQL: Practical Quantitation Limit

Table 3: Field Duplicate Analytical Summary

prensa

Field_ID	SP02_04	FD1	RPD 1	FD2	RPD2	TP10-0.0-0.1	FD3	RPD3	FD4	RPD4	TP19_0.0-0.1	FD5	RPD5	FD6	RPD6
Sampled_Date-Time	13/03/2018	14/03/2018		14/03/2018		14/03/2018	14/03/2018		14/03/2018		15/03/2018	15/03/2018		19/03/2018	
Matrix_Type	SOIL	SOIL		SOIL		SOIL	SOIL		SOIL		SOIL	SOIL		SOIL	
Sample_Depth_Range						0-0.1					0-0.1				

Chem_Group	ChemName	Units	PQL														
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	0	1.2	1.2	0	1.2	0	1.2	1.2	0	1.2	0
	Tokuthion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-		-	-
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0	0.6	0.6	0	0.6	0	0.6	0.6	0	0.6	0
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
OCP	Organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	-	-	0.25	-	-	-	-	<0.1	-	-	-	-
	Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	-	-	<0.1	-	-	-	-	<0.1	-	-	-	-
PAHs	Polycylic aromatic hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	<0.5	-	-	-	-	<0.5	-
BTEX	Benzene	mg/kg	0.1	<0.1	<0.1	-	<0.2	-	<0.1	<0.1	-	<0.2	-	<0.1	<0.1	-	<0.2	-
	Ethylbenzene	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Toluene	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Total BTEX	mg/kg	0.2	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-
	Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	-	<0.5	-	<0.2	<0.2	-	<0.5	-	<0.2	<0.2	-	<0.5	-
	Xylene (o)	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Xylene Total	mg/kg	0.3	<0.3	<0.3	-	<0.5	-	<0.3	<0.3	-	<0.5	-	<0.3	<0.3	-	<0.5	-
	C6-C10 less BTEX (F1)	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-	<20	<20	-	<10	-
Halogenated Benzenes	Hexachlorobenzene	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
Inorganics	Moisture	%	1	-	-	-	12.2	20.58823529	-	-	-	13.6	9.79020979	-	-	-	15.8	13.01775148
	Moisture Content (dried @ 103°C)	%	1	15	14	6.896551724	-	-	15	15	0	-	-	18	20	10.52631579	-	-
Lead	Lead	mg/kg	5	53	58	9.009009009	36	38.20224719	56	61	8.547008547	47	17.47572816	52	72	32.25806452	46	12.24489796
Metals	Arsenic	mg/kg	2	16	15	6.451612903	12	28.57142857	6.9	7.9	13.51351351	6	13.95348837	22	17	25.64102564	14	44.44444444
	Cadmium	mg/kg	0.4	<0.4	<0.4	-	<1	-	<0.4	<0.4	-	<1	-	<0.4	<0.4	-	<1	-
	Chromium (III+VI)	mg/kg	2	23	23	0	21	9.090909091	29	37	24.24242424	31	6.666666667	22	29	27.45098039	26	16.66666667
	Copper	mg/kg	5	31	31	0	26	17.54385965	45	45	0	38	16.86746988	49	68	32.47863248	52	5.940594059
	Mercury	mg/kg	0.1	<0.1	<0.1	-	<0.1	-	0.1	0.1	0	<0.1	0	<0.1	<0.1	-	<0.1	-
	Nickel	mg/kg	2	13	13	0	12	8	10	12	18.18181818	10	0	12	15	22.22222222	9	28.57142857
	Zinc	mg/kg	5	170	110	42.85714286	100	51.85185185	52	57	9.174311927	47	10.1010101	50	69	31.93277311	39	24.71910112
Organochlorine Pesticides	4,4-DDE	mg/kg	0.05	<0.05	-	-	<0.05	-	0.25	-	-	0.38	41.26984127	<0.05	-	-	0.14	94.73684211
	a-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Aldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Aldrin + Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	b-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	chlordane	mg/kg	0.05	<0.1	-	-	<0.05	-	<0.1	-	-	<0.05	-	<0.1	-	-	<0.05	-
	Chlordane (cis)	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Chlordane (trans)	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	d-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	DDD	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	DDT	mg/kg	0.05	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-
	DDT+DDE+DDD	mg/kg	0.05	<0.05	-	-	<0.05	-	0.25	-	-	0.38	41.26984127	<0.05	-	-	0.14	94.73684211
	Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Endosulfan I	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan II	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan sulphate	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin aldehyde	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin ketone	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	g-BHC (Lindane)	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Heptachlor	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Heptachlor epoxide	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Methoxychlor	mg/kg	0.05	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-
	Toxaphene	mg/kg	1	<1	-	-	-	-	<1	-	-	-	-	<1	-	-	-	-
Organophosphorous Pesticides	Azinophos methyl	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Bolstar (Sulprofos)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Bromophos-ethyl	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Carbophenothion	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Chlorfenvinphos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Chlorpyrifos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Chlorpyrifos-methyl	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Coumaphos	mg/kg	2	<2	-	-	-	-	<2	-	-	-	-	<2	-	-	-	-
	Demeton-O	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Demeton-S	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Diazinon	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Dichlorvos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Dimethoate	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Disulfoton	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Ethion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Ethoprop	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fenitrothion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fensulfothion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fenthion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Malathion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Merphos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Methyl parathion	mg/kg	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-
	Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Monocrotophos	mg/kg	0.2	<2	-	-	<0.2	-	<2	-	-	<0.2	-	<2	-	-	<0.2	-
	Naled (Dibrom)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Omethoate	mg/kg	2	<2	-	-	-	-	<2	-	-	-	-	<2	-	-	-	-
	Phorate	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Prothiofos	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Pyrazophos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Ronnel	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Terbufos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Trichloronate	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Tetrachlorvinphos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
PAH	Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
PAH/Phenols	Acenaphthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Acenaphthylene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Chrysene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Fluorene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Naphthalene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	-	-	-	<0.5	<0.5	-	-	-
	Phenanthrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
Pesticides	Demeton-S-methyl	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Fenamiphos	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
	Parathion	mg/kg	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-
	Pirimiphos-methyl	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
	Pirimphos-ethyl	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-	-	-	-	<0.05	-
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1221	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1232	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1242	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1248	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1254	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1260	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	-	<0.1	-
SVOCs	EPN	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-	<0.2	-	-	-	-
TPH	C10-C16	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-	<50	<50	-	<50	-
	C16-C34	mg/kg	100	<100	<100	-	<100	-	<100	<100	-	<100	-	<100	<100	-	<100	-
	C34-C40	mg/kg	100	<100	<100	-	<100	-	<100	<100	-	<100	-	<100	<100	-	<100	-
	F2-NAPHTHALENE	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-	<50	<50	-	<50	-
	C6 - C9	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-	<20	<20	-	<10	-
	C10 - C14	mg/kg	20	<20	<20	-	<50	-	<20	<20	-	<50	-	<20	<20	-	<50	-
	C15 - C28	mg/kg	50	<50	<50	-	<100	-	<50	<50	-	<100	-	<50	<50	-	<100	-
	C29-C36	mg/kg	50	<50	<50	-	<100	-	<50	<50	-	<100	-	<50	<50	-	<100	-
	+C10 - C36 (Sum of total)	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-	<50	<50	-	<50	-
	C10 - C40 (Sum of total)	mg/kg	50	-	-	-	<50	-	-	-	-	<50	-	-	-	-	<50	-
	C6-C10	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-	<20	<20	-	<10	-

Table 3: Field Duplicate Analytical Summary

prensa

Field_ID	TP43_0.0-0.1	FD7	RPD7	FD8	RPD8	TP46_0.0-0.1	FD9	RPD9	FD10	RPD10
Sampled_Date-Time	16/03/2018	16/03/2018		19/03/2018		16/03/2018	16/03/2018		19/03/2018	
Matrix_Type	SOIL	SOIL		SOIL		SOIL	SOIL		SOIL	
Sample_Depth_Range	0-0.1					0-0.1				

Chem_Group	ChemName	Units	PQL									
	Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	1.2	1.2	0	1.2	0	1.2	1.2	0	1.2	0
	Tokuthion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	0.6	0.6	0	0.6	0	0.6	0.6	0	0.6	0
	Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
OCP	Organochlorine pesticides EPAVic	mg/kg	0.1	0.11	-	-	-	-	<0.1	-	-	-	-
	Other organochlorine pesticides EPAVic	mg/kg	0.1	<0.1	-	-	-	-	<0.1	-	-	-	-
PAHs	Polycylic aromatic hydrocarbons EPAVic	mg/kg	0.5	-	-	-	<0.5	-	-	-	-	<0.5	-
BTEX	Benzene	mg/kg	0.1	<0.1	<0.1	-	<0.2	-	<0.1	<0.1	-	<0.2	-
	Ethylbenzene	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Toluene	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Total BTEX	mg/kg	0.2	-	-	-	<0.2	-	-	-	-	<0.2	-
	Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	-	<0.5	-	<0.2	<0.2	-	<0.5	-
	Xylene (o)	mg/kg	0.1	<0.1	<0.1	-	<0.5	-	<0.1	<0.1	-	<0.5	-
	Xylene Total	mg/kg	0.3	<0.3	<0.3	-	<0.5	-	<0.3	<0.3	-	<0.5	-
	C6-C10 less BTEX (F1)	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-
Halogenated Benzenes	Hexachlorobenzene	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
Inorganics	Moisture	%	1	-	-	-	15.6	8.588957055	-	-	-	13.9	20.06472492
	Moisture Content (dried @ 103°C)	%	1	17	15	12.5	-	-	17	14	19.35483871	-	-
Lead	Lead	mg/kg	5	37	86	79.67479675	43	15	37	67	57.69230769	48	25.88235294
Metals	Arsenic	mg/kg	2	14	18	25	13	7.407407407	15	20	28.57142857	13	14.28571429
	Cadmium	mg/kg	0.4	<0.4	<0.4		<1	-	<0.4	<0.4	-	<1	-
	Chromium (III+VI)	mg/kg	2	29	43	38.88888889	37	24.24242424	32	42	27.02702703	36	11.76470588
	Copper	mg/kg	5	34	57	50.54945055	39	13.69863014	27	41	41.17647059	29	7.142857143
	Mercury	mg/kg	0.1	<0.1	<0.1		<0.1	-	<0.1	<0.1	-	<0.1	-
	Nickel	mg/kg	2	13	15	14.28571429	11	16.66666667	7.5	11	37.83783784	8	6.451612903
	Zinc	mg/kg	5	56	80	35.29411765	51	9.345794393	45	58	25.24271845	42	6.896551724
Organochlorine Pesticides	4,4-DDE	mg/kg	0.05	0.11	-	-	0.07	44.44444444	<0.05	-	-	<0.05	-
	a-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Aldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Aldrin + Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	b-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	chlordane	mg/kg	0.05	<0.1	-	-	<0.05	-	<0.1	-	-	<0.05	-
	Chlordane (cis)	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Chlordane (trans)	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	d-BHC	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	DDD	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	DDT	mg/kg	0.05	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-
	DDT+DDE+DDD	mg/kg	0.05	0.11	-	-	0.07	44.44444444	<0.05	-	-	<0.05	-
	Dieldrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Endosulfan I	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan II	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endosulfan sulphate	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin aldehyde	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Endrin ketone	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	g-BHC (Lindane)	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Heptachlor	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Heptachlor epoxide	mg/kg	0.05	<0.05	-	-	<0.05	-	<0.05	-	-	<0.05	-
	Methoxychlor	mg/kg	0.05	<0.05	-	-	<0.2	-	<0.05	-	-	<0.2	-
	Toxaphene	mg/kg	1	<1	-	-	-	-	<1	-	-	-	-
Organophosphorous Pesticides	Azinophos methyl	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Bolstar (Sulprofos)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Bromophos-ethyl	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Carbophenothion	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Chlorfenvinphos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Chlorpyrifos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Chlorpyrifos-methyl	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Coumaphos	mg/kg	2	<2	-	-	-	-	<2	-	-	-	-
	Demeton-O	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Demeton-S	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Diazinon	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Dichlorvos	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Dimethoate	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Disulfoton	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Ethion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Ethoprop	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fenitrothion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fensulfothion	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Fenthion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Malathion	mg/kg	0.05	<0.2	-	-	<0.05	-	<0.2	-	-	<0.05	-
	Merphos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Methyl parathion	mg/kg	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-
	Mevinphos (Phosdrin)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Monocrotophos	mg/kg	0.2	<2	-	-	<0.2	-	<2	-	-	<0.2	-
	Naled (Dibrom)	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Omethoate	mg/kg	2	<2	-	-	-	-	<2	-	-	-	-
	Phorate	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Prothiofos	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Pyrazophos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Ronnel	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Terbufos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Trichloronate	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Tetrachlorvinphos	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
PAH	Benzo(b+j)fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
PAH/Phenols	Acenaphthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Acenaphthylene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(a) pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Chrysene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Fluoranthene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Fluorene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Naphthalene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	PAHs (Sum of total)	mg/kg	0.5	<0.5	<0.5	-	-	-	<0.5	<0.5	-	-	-
	Phenanthrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
	Pyrene	mg/kg	0.5	<0.5	<0.5	-	<0.5	-	<0.5	<0.5	-	<0.5	-
Pesticides	Demeton-S-methyl	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Fenamiphos	mg/kg	0.05	-	-	-	<0.05	-	-	-	-	<0.05	-
	Parathion	mg/kg	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-
	Pirimiphos-methyl	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
	Pirimphos-ethyl	mg/kg	0.05	-	-	-	<0.05	-			-	<0.05	-
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1221	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1232	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1242	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1248	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1254	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	Arochlor 1260	mg/kg	0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	-	-
	PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	-	<0.1	-
SVOCs	EPN	mg/kg	0.2	<0.2	-	-	-	-	<0.2	-	-	-	-
TPH	C10-C16	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-
	C16-C34	mg/kg	100	<100	<100	-	<100	-	<100	<100	-	<100	-
	C34-C40	mg/kg	100	<100	<100	-	<100	-	<100	<100	-	<100	-
	F2-NAPHTHALENE	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-
	C6 - C9	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-
	C10 - C14	mg/kg	20	<20	<20	-	<50	-	<20	<20	-	<50	-
	C15 - C28	mg/kg	50	<50	<50	-	<100	-	<50	<50	-	<100	-
	C29-C36	mg/kg	50	<50	<50	-	<100	-	<50	<50	-	<100	-
	+C10 - C36 (Sum of total)	mg/kg	50	<50	<50	-	<50	-	<50	<50	-	<50	-
	C10 - C40 (Sum of total)	mg/kg	50	-	-	-	<50	-	-	-	-	<50	-
	C6-C10	mg/kg	10	<20	<20	-	<10	-	<20	<20	-	<10	-

Table 4: Trip Spike and Blank Summary Table

			Field_ID	TB_1	TB_2	TS_1	TS_2
			LocCode	TB	TB	TS	TS
			Sampled_Date-Time	14/03/2018	14/03/2018	14/03/2018	14/03/2018
Chem_Group	ChemName	Units	PQL				
BTEX	Benzene	mg/kg	0.1	<0.1	<0.1	110	97
	Ethylbenzene	mg/kg	0.1	<0.1	<0.1	110	93
	Toluene	mg/kg	0.1	<0.1	<0.1	110	88
	Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	110	93
	Xylene (o)	mg/kg	0.1	<0.1	<0.1	110	93
	Xylene Total	mg/kg	0.3	<0.3	<0.3	110	93
	C6-C10 less BTEX (F1)	mg/kg	20	<20	<20	-	-
PAH/Phenols	Naphthalene	mg/kg	0.5	<0.5	<0.5	130	83
TRH	C6 - C9	mg/kg	20	<20	<20	110	91
	C6-C10	mg/kg	20	<20	<20	120	91

Appendix A: Data Quality Objectives

Data Quality Objectives

X1. Step 1 - State the Problem

APP Corporation are proposing to rezone the site to SP1 Cemetery. A Preliminary Site Investigation (PSI) (Ref: *PSI St Bartholomew's Cemetery Expansion Lands, Prospect NSW*) (Prensa February 2018) was previously undertaken which concluded that there was potential for contamination to exist at the site associated with former and current site activities.

X2. Step 2 - Identify the Decisions

The decisions to be made based on the results of the investigation were as follows:

What are the CoPC associated with potential soil contamination?

- Are CoPC present within soil, and if so, do they present an unacceptable risk to human health or the environment for the current zoning and land use?
- If soil contamination is present, does the site require remediation works and/or a management plan prior to divestment?

X3. Step 3 - Identify Inputs in the Decision

The inputs required to make the above decisions were as follows:

- Site setting and available background information;
- Selection of appropriate Tier 1 soil assessment criteria;
- Visual observations; and
- Field and laboratory analytical results.

X4. Step 4 - Define Boundaries of the Study

The geographical limits appropriate for the data collection and decision making in this investigation comprised the boundary of the site as shown on Figure 1 in the 'Figures' section of this report.

The temporal boundaries of the investigation (i.e. the areas of environmental concern) have been determined based on the data collected during this DSI and the PSI (Prensa February 2018).

X5. Step 5 - Develop a Decision Rule

The purpose of this step was to define the parameter of interest, specify the action level and combine the outputs of the previous DQO steps into an 'if/then' decision rule that defines the conditions that would cause the decision maker to choose alternative actions.

If the levels of contaminants of potential concern in soil were below the adopted soil assessment criteria, the risk to human health and the environment could be considered to be low for that land use.

If concentrations of contaminants in soil exceed the adopted soil assessment criteria, consideration for statistical analysis of the dataset should be undertaken to support the need or otherwise for further assessment, remediation or site management. These decision rules include the 95% upper confidence limit (UCL) of the mean contaminant concentration being less than the adopted site assessment criteria, the standard deviation being less than 50% and no individual concentration being in excess of 250% of the site assessment criteria (for similar soil types).

X6. Step 6 - Specify Limits on Decision Errors

The acceptable limits on decision errors applied during the DSI and the manner of addressing possible decision errors were developed based on the data quality indicators (DQIs) of:

- Accuracy: a quantitative measure of the closeness of reported data to the true value;
- Comparability: a qualitative parameter expressing the confidence with which one (1) data set can be compared with another;
- Completeness: a measure of the amount of useable data (expressed as %) from a data collection activity;
- Representativeness: the confidence (expressed qualitatively) that data are representative of each media present on the site; and
- Precision: a quantitative measure of the variability (or reproducibility) of data.

X7. Step 7 - Optimise the Design

The purpose of this step was to identify a resource-effective data collection design for generating data that satisfies the DQOs.

This assessment was designed considering the information provided during the request for proposal.

A proposal was prepared for the DSI which outlined a proposed scope. The methodology within the proposal was reviewed at critical times during the project and amended where necessary based on site conditions, unexpected finds, professional judgement and liaison with APP Corporation. The methodology adopted to satisfy the DQOs is described in detail in Section 12.

To ensure the design satisfied the DQOs, DQIs (for accuracy, comparability, completeness, precision and reproducibility) were established to set acceptance limits on field methodologies and laboratory data collected.

X8. Data Quality Indicators

A summary of the field and laboratory DQIs for the DSI are provided in Table A1.

Table A1: Data Quality Indicators (DQIs)

Field Considerations	Laboratory Considerations	Comments
	Accuracy (bias)	
Work instructions (WI) are appropriate and have been complied with.	Analysis of: • Trip blanks; • Rinsate blanks; • Method blanks;	Bias introduced: • By chemicals during handling or transport; • From contaminated equipment; • During laboratory analysis;

Table A1: Data Quality Indicators (DQIs)

Field Considerations	Laboratory Considerations	Comments
	• Matrix spikes; • Surrogate spikes; • Reference material; • Laboratory control samples; and • Laboratory-prepared spikes.	• During laboratory preparation and analysis (may be high or low); • During laboratory preparation and analysis (may be high or low); • Precision of preparation of analytical method; • Precision of preparation of analytical method; and • During collection/transport (may be high or low).
	Comparability	
Same WIs used on each occasion. Experienced sampler. Climatic conditions (temperature, rainfall, wind). Same types of samples collected (filtered, size fractions).	• Sample analytical methods used (including clean-up). • Laboratory practical quantification limits (PQLs) (justify /quantify if different). • Same laboratories (justify /quantify if different). • Same units (justify /quantify if different).	• Same approach to sampling (WIs, holding times). • Quantify influence from climatic or physical conditions. • Samples collected, preserved, handled in same manner (filtered, same containers).

Table A1: Data Quality Indicators (DQIs)

Field Considerations	Laboratory Considerations	Comments
	Completeness	
Critical locations sampled. WIs appropriate and complied with. Experienced sampler. Documentation correct.	Critical samples analysed in accordance with the tender response. Analytes sampled in accordance with scope of works. Appropriate methods and PQLs. Sample documentation correct. Sample holding times complied with.	The required percentage completeness should be specified in the scope of works. Required data must be obtained from critical samples and CoPC. Incompleteness is influenced by: • Field performance problems (access problems, difficulties on site, damage); • Laboratory performance problems (Matrix interference, invalid holding times); and • Matrix problems.
	Representativeness	
Appropriate media sampled according to the scope of works. Media in the scope of works sampled.	Samples analysed according to the tender response.	• Samples must be collected to reflect characteristics of each medium. • Sample analysis must reflect properties of field samples. • Homogeneity of the samples. • Appropriate collection, handling, storage and preservation. • Detection of laboratory artefacts, e.g. contamination blanks.
	Precision	
WIs appropriate and complied with.	Analysis of: • Laboratory and inter-laboratory duplicates; • Laboratory prepared trip spikes; and • Field duplicates.	• Measured by the coefficient of variance or standard deviation of the mean or Relative Percentage. • Field duplicates measure field and laboratory precision Difference (RPD) calculations. • Variation in RPDs can be expected to be higher for organics, low concentrations (<5 x laboratory PQL) or non-homogenous samples.

Acceptable limits adopted for data quality indicators for this DSI are outlined in Table A2.

Table A2: Acceptable Limits of Data Quality Indicators

Item	Acceptable Limit
Analysis of blind (intra-laboratory) duplicates and split (inter-laboratory) duplicates	Rate of 1:20 primary samples for the same analysis of primary samples; Calculation of relative percentage differences between primary and duplicate samples, the results of which to be less than: • 80% (where the average concentration was 1-10 x laboratory PQL); • 50% (where the average concentration was 10-30 x laboratory PQL); and • 30% (where the average concentration was > 30 x laboratory PQL).
Analysis of rinsate blanks	Rate of one sample per batch; and Results less than the laboratory PQL.
Analysis of trip blanks	Rate of one sample per batch; and Results less than the laboratory PQL.
Analysis of trip spikes	Rate of one sample per batch; and Results between 70%-130%.
Analysis of laboratory blanks, spikes, surrogates, reference and control samples	Laboratory specific
Laboratories and methods used	National Association of Testing Authorities accredited.
Sample PQLs	Results less than the adopted assessment criteria; justify/quantify if different.

Appendix B: Photographs

Photo 1. Dense bushes and grass were cleared during the investigation

Photo 2. SP01 at the end of Tarlington Place

Photo 3. SP02 in the north eastern corner of the site

Photo 4. SP03 in the south western corner of the site

Photo 5. SP04 on the Western perimeter of the site

Photo 6. UST fill points near the base of the vent pipe

Photo 7. Septic tank identified at the rear of the post office

Photo 8. Brick pit located at the rear of the post office

Photo 9. Asbestos containing fibre cement sheeting

Photo 10. Asbestos containing fibre cement sheeting

Photo 11. Black discoloured soils were noted at TP7

Photo 12. Surface scrapes taken surrounding TP7 to delineate the extent of the waste

Appendix C: Assessment Criteria

Soil Assessment Criteria

X1. Human Health

Health Investigation Levels (HILs)

HILs were deemed applicable for assessing human health risk via all relevant exposure pathways of exposure for metals and organic substances. HILs are concentrations below which contaminants in soils are not considered to adversely affect human health.

Health Screening Levels (HSLs)

Soil HSLs have been developed for selected petroleum compounds and fractions and were considered applicable to assessing human health risk via vapour intrusion and inhalation. The HSLs depend on specific soil physicochemical properties, land use scenarios, and the characteristics of building structures. They apply to different soil types, and depths below surface to >4 m BGL. Criteria relevant to a clayey soil type and from various depths were selected.

Soil HSLs were also adopted from CRC CARE 2011 to assess the exposure pathway of direct contact (oral ingestion, dermal contact and dust inhalation) for commercial / industrial workers and shallow trench workers (maximum trench depth of 1.0 m) and vapour intrusion for intrusive maintenance workers. As a conservative approach, a clayey soil type and depth of 0-<2 m was adopted.

X2. Ecological

Ecological Investigation Levels (EILs)

Ecological Investigation Levels (EILs) have been developed for selected metals and organic substances and are applicable for assessing risk to terrestrial ecosystems. EILs depend on specific soil physicochemical properties and land use scenarios and generally apply to the top 2.0 m of soil.

Site specific Tier-1 EILs for copper, chromium (III), nickel and zinc were calculated from site specific data. Site specific Tier-1 EILs for these analytes would be considered to be within the ranges outlined in Table C1, which are based on a predicted range of ambient background concentrations (ABC) plus and a range of added contaminant limits (ACL) derived from site specific criteria.

Site specific EILs are based on a pH of 5 and a Cation Exchange Capacity of 16 (Rounded to 20) assessed from soils on site.

Table C1: Site Specific EIL Ranges (mg/kg)

	Range of ABCs1		Range of ACLs2		Tier-1 Site Specific EIL Ranges	
	Min	Max	Min	Max	Min	Max
Copper						
Commercial Industrial			**85**	**1,200**	**85**	**150**
Chromium						

Commercial Industrial	**130**	**660**	**430**	**1000**
Nickel				
Commercial Industrial	*55*	*960*	*170*	*490*
Lead				
Commercial Industrial	*1,800*	*1,800*	*1800*	*1800*
Zinc				
Commercial Industrial	110	2,000	70	360

[1] Predicted ambient background soil concentrations, based on the equations from Hamon et al. (2004). Adopted from NEPM 2013 Schedule B5b)

[2] Adopted from NEPM 2013 Schedule B1

X3. Ecological Screening Levels (ESLs)

ESLs are concentrations of contaminants above which further appropriate investigation and evaluation will be required. They were developed for select petroleum hydrocarbons; they depend on specific soil physicochemical properties and land use scenarios and generally apply to the top 2.0 m of soil (NEPM 2013). Based on the fine grain soils encountered, ESLs for fine grained soils were adopted.

Appendix D: Soil Logs

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ENVIRONMENTAL TESTPIT TP01

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP01
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP1 - 0.1-0.2	D			FILL: Brittle, dark brown, clay, healthy natural soil with bits of metal piping, tile and asbestos - disturbed natural soil	Asbestos
0.2					NATURAL: Hard, orange, natural CLAY	No odour No staining
0.3						
0.4	TP1 - 0.4-0.5	D	1.8			
0.5						
0.6						
0.7						
0.8	TP1 - 0.8-1.0	D			NATURAL: Firm, light grey - CLAY (weathered bedrock)	
0.9			0.7			
1					Termination Depth at: 1.0 m Target depth reached	
1.1						

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 23 Mar 2018

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ENVIRONMENTAL TESTPIT TP02

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP02
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP02 - 0.0-0.1	D	3.5		FILL: Loose, dark brown silty clay with glass, tile, metal pieces, BM, charcoal, asbestos and roots	Asbestos found
0.3					NATURAL: Firm, dark orange CLAY	No odour No staining
0.6	TP02 - 0.6-0.7	D			NATURAL: Grading to light brown	
0.8					NATURAL: Grading to grey with mottled orange	
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP03

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP03
TOTAL DEPTH (m) 0.2

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1		D	2.8		SILTY CLAY: firm, dark brown	No odour No staining
0.2					NATURAL: Hard, orange CLAY	
0.3					Termination Depth at:0.2 m Target Depth Not Reached	
0.4						
0.5						
0.6						
0.7						
0.8						
0.9						
1						
1.1						

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ENVIRONMENTAL TESTPIT TP04

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP04
TOTAL DEPTH (m) 0.6

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP04 - 0.0-0.1	D	1.9		FILL: soft, dark orange clay with loose concrete and glass at surface	No odour No staining No ACM
0.1					NATURAL: Firm, dark orange CLAY	
0.5	TP04 - 0.5-0.6	D	3.1		NATURAL: Grading to grey with mottled orange	
0.6					Termination Depth at:0.6 m Target Depth Not Reached	

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ENVIRONMENTAL TESTPIT TP05

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP05
TOTAL DEPTH (m) 0.8

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP05 - 0.0-0.1	D	3.0		FILL: soft, dark brown silty clay with glass, tile fragments and plastic	Sieve sample taken
0.1						No odour No staining
0.2					NATURAL: Firm, red/brown CLAY with grey mottling	
0.3						
0.4	TP05 - 0.4-0.5	D	2.4		NATURAL: Grading to tan CLAY	
0.5						
0.6						
0.7						
0.8					Termination Depth at:0.8 m Target Depth Not Reached	
0.9						
1						
1.1						

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ENVIRONMENTAL TESTPIT TP06

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP06
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP06 - 0.0-0.1	D	1.1		FILL: soft, dark brown sandy clay with glass and a few stone fragments	ACM - friable noted nearby Sieve sample taken
0.1						
0.2					NATURAL: Firm, red CLAY with grey and tan mottling	No ACM, no odour
0.3						
0.4						
0.5						
0.6						
0.7					NATURAL: Grading to grey and more brittle	
0.8	TP06 - 0.8-1.0	D				
0.9			1.2			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP07

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP07
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP07 - 0.0-0.1	D	3.1		FILL: Loose, black, sandy clay with bits of metal, glass (incinerator waste)	Black colour
0.3	TP07 - 0.3-0.5	D	3.0		NATURAL: Firm, dark orange CLAY	No odour No staining
0.8	TP07 - 0.8-0.9	D	2.0		NATURAL: Gradient change to grey with mottled red/orange	
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP08

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP08
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP08 - 0.0-0.1	D	1.4		NATURAL: Soft, dark brown SILTY CLAY and organic material with charcoal inclusions	No odour No staining
0.1						
0.2						
0.3					NATURAL: Dark orange CLAY	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: Graded to grey with mottled red/orange	
0.9	TP08 - 0.9-1.0	D	2.8			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP09

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP09
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP09 - 0.0-0.1	D	3.4		NATURAL: Loose, brown SILTY SAND with organic material	No odour No staining
0.1						
0.2					NATURAL: Firm, dark orange CLAY	
0.3						
0.4						
0.5						
0.6						
0.7						
0.8	TP09 - 0.8-0.9	D	2.9		NATURAL: Graded to grey with mottled orange/grey	
0.9						
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP10

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP10
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP10 - 0.0-0.1 FD3 & FD4	D	2.4		NATURAL: Loose, brown SILTY SAND with organic material	Bits of charcoal
0.1						
0.2					NATURAL: Dark orange CLAY - firm	No odour No staining
0.3						
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL:Graded to grey with mottled red/orange	
0.9	TP10 - 0.9-1.0	D	2.4			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP11

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP11
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP11 - 0.0-0.1	D	1.6		NATURAL: Soft, dark brown, SILTY CLAY	No odour No staining
0.1						
0.2						
0.3					NATURAL: Orange-red CLAY - firm	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: Grading to grey with red and tan mottling - stiff and brittle	
0.9	TP11 - 0.9-1.0	D	1.4			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP12

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP12
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP12 - 0.0-0.1	D	2.2		NATURAL: Soft, brown SILTY CLAY	No odour No satining
0.1						
0.2						
0.3		D			NATURAL: CLAY, orange - firm, brittle	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: CLAY, orange/grey-firm	
0.9	TP12 - 0.9-1.0	D	1.2			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP13

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP13
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP13 - 0.0-0.1	D	1.1		NATURAL: Brown, firm CLAY with rootlets throughout	No odour No staining
0.1						
0.2						
0.3						
0.4						
0.5	TP13 - 0.5-0.6	D	1.0		NATURAL: Grey CLAY with brown mottles - soft/med	
0.6						
0.7						
0.8						
0.9						
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP14

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP14
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP14 - 0.0-0.1	D	2.2		FILL: soft, tan/brown, silty clay (brittle) with rootlets. Glass fragments found throughout and asbestos fragments	Asbestos Sieve sample taken
0.1						
0.2						
0.3		D			NATURAL: Red/brown CLAY - brittle and very stiff	No odour No staining
0.4						
0.5						
0.6						
0.7						
0.8						
0.9	TP14 - 0.9-1.0	D	1.0		NATURAL: Grading to grey clay with red mottling - brittle	
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP15

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP15
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP15 - 0.0-0.1	D	1.1		NATURAL: soft/brittle SILTY CLAY, brown with rootlets and plant matter throughout	No odour No staining
0.1						
0.2						
0.3						
0.4						
0.5					NATURAL: Red CLAY, firm with brown/grey mottling	
0.6						
0.7						
0.8						
0.9	TP15 - 0.9-1.0	D	1.7			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP16

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP16
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP16 - 0.0-0.1	D	2.8		NATURAL: Brown, soft, SILTY CLAY	No odour No staining
0.1						
0.2						
0.3						
0.4					NATURAL: Red/orange CLAY with grey mottles - firm	
0.5						
0.6						
0.7						
0.8						
0.9					NATURAL: Grading to grey CLAY with red/orange mottling - soft	
	TP16 - 0.9-1.0	D	2.2			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP17

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION TP17
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP17 - 0.0-0.1	D	3.4		NATURAL: Brown SILTY CLAY, brittle	No odour No staining
0.1						
0.2						
0.3						
0.4		D			NATURAL: red CLAY with brown mottling - firm	
0.5						
0.6						
0.7						
0.8						
0.9	TP17 - 0.9-1.0	D	1.2		NATURAL: Grey CLAY with red mottling - brittle and very stiff	
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP18

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/2018
SAMPLING LOCATION TP18
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP18 - 0.0-0.1	D	1.0		NATURAL: Red/brown SILTY CLAY - stiff, brittle with rootlets throughout	No odour No staining
0.1						
0.2						
0.3		D			NATURAL: Orange clay - firm	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: Grading to grey clay with orange mottling - brittle	
0.9	TP18 - 0.9-1.0	D	1.3			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP19

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/2018
SAMPLING LOCATION TP19
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP19 - 0.0-0.1	D	3.1		NATURAL: SANDY CLAY, soft with rootlets throughout	No odour No staining
0.1						
0.2						
0.3		D			NATURAL: Orange CLAY - firm	
0.4						
0.5						
0.6						
0.7						
0.8						
0.9	TP19 - 0.9-1.0	D	2.5		NATURAL: Grading to grey/orange CLAY - stiff, brittle	
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP20

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/2018
SAMPLING LOCATION TP20
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP20 - 0.0-0.1	D	1.6		NATURAL: Brown SANDY CLAY, soft with rootlets and plant matter	No odour No staining
0.1						
0.2					NATURAL: Red/brown CLAY - firm	
0.3		D				
0.4						
0.5						
0.6					NATURAL: Grey CLAY with orange mottling - firm	
0.7		D				
0.8						
0.9	TP20 - 0.9-1.0	D	2.1			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP21

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/2018
SAMPLING LOCATION TP21
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP21 - 0.0-0.1	D	1.6		NATURAL: Brown SILTY CLAY, soft with rootlets and plant matter throughout	Darker organic layer
0.1						
0.2						
0.3		D			NATURAL: Orange CLAY - soft	
0.4					NATURAL: Grey CLAY - brittle with black mottling	
0.5						
0.6						
0.7						
0.8						
0.9	TP21 - 0.9-1.0	D	1.4			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP22

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/2018
SAMPLING LOCATION TP22
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP22 - 0.0-0.1	D	1.7		NATURAL: Brown CLAY - hard/brittle with roots throughout	No odour No staining
0.1						
0.2						
0.3		D			NATURAL: Orange/brown CLAY - soft with roots	
0.4					NATURAL: Grey CLAY with orange mottling - soft	
0.5						
0.6						
0.7		D				
0.8						
0.9	TP22 - 0.9-1.0	D	1.3			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP23

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP23
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP23- 0.0-0.1	D	38		NATURAL: Brown CLAY, brittle with roots throughout	No odour No staining
0.1		D				
0.2						
0.3					NATURAL: Red/orange CLAY with brown mottling - stiff	
0.4						
0.5					NATURAL: Grey CLAY with orange mottling - soft	
0.6						
0.7						
0.8						
0.9	TP23- 0.9-1	D	23			
1					Termination depth: 1 meter. Target Depth reached	
1.1						

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ENVIRONMENTAL TESTPIT TP24

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP24
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP24- 0.0-0.1	D	1.7		NATURAL: Brown SILTY CLAY, soft with roots throughout	No odour No staining
0.1		D				
0.2						
0.3					NATURAL: Orange CLAY with grey mottling - firm	
0.4						
0.5						
0.6						
0.7					NATURAL: Grey CLAY with orange mottling -firm	
0.8						
0.9	TP24- 0.9-1	D	1.6			
1					Termination depth: 1 meter. Target Depth reached	
1.1						

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ENVIRONMENTAL TESTPIT TP25

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP25
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP25- 0.0-0.1	D	1.6		NATURAL: Brown CLAY - brittle with roots throughout	No odour No staining
0.1		D				
0.2						
0.3					NATURAL: Orange CLAY - soft with roots throughout	
0.4						
0.5						
0.6						
0.7					NATURAL: Grey CLAY with orange mottles - soft	
0.8						
0.9	TP25- 0.9-1	D	1.7			
1					Termination depth: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP26

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP26
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP26- 0.0-0.1	D	2.5		NATURAL: Brown, SILTY CLAY - soft with rootlets throughout	No odour No staining
0.1		D				
0.2						
0.3					NATURAL: Orange CLAY - firm	
0.4						
0.5						
0.6						
0.7					NATURAL: Grey CLAY with orange mottling - brittle	
0.8						
0.9	TP26- 0.9-1	D	2.5			
1					Termination depth: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP27

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP27
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP27- 0.0-0.1	D	1.8		NATURAL: Brown SILTY CLAY - soft with roots throughout	
0.1		D				
0.2					NATURAL: Orange CLAY, soft	Ash noted within clay - appears burnt decomposing bark
0.3						
0.4						
0.5						
0.6					NATURAL: Grey CLAY with orange mottling - soft	
0.7						
0.8						
0.9	TP27- 0.9-1	D	2.2			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

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ENVIRONMENTAL TESTPIT TP28

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP28
TOTAL DEPTH (m) 0.9

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP28- 0.0-0.1	D	1.6		NATURAL: Orange/brown SILTY CLAY - soft with roots and plant matter throughout	
0.1		D				
0.2					NATURAL: Orange CLAY - hard	
0.3						
0.4						
0.5					NATURAL: Red/grey CLAY - hard	burnt bark noted
0.6						
0.7						
0.8	TP28- 0.9-1	D	1.5		NATURAL: Grey CLAY with orange mottling - brittle	
0.9					Termination depth at: 0.9 meter. Target Depth reached	
1						
1.1						

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ENVIRONMENTAL TESTPIT TP29

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP29
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP29- 0.0-0.1	D	2.3		NATURAL: Brown, SILTY CLAY, very stiff - brittle with roots and plant matter thorughout	No odour No staining
0.1		D				
0.2						
0.3						
0.4					NATURAL: Orange/red CLAY - very stiff, brittle with roots throughout	
0.5						
0.6						
0.7						
0.8					NATURAL: Grey CLAY with red mottling - stiff	
0.9	TP29- 0.9-1	D	3.0			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP30

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP30
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP30- 0.0-0.1	D	1.9		FILL: Brown sandy clay, soft with blocks of concrete, pieces of ceramic, roots, grass	No odour No staining
0.1		D				
0.2						
0.3					NATURAL: Orange CLAY, stiff with roots throughout	
0.4						
0.5					NATURAL: Light grey clay - very stiff	
0.6						
0.7						
0.8						
0.9	TP30- 0.9-1	D	1.6			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP31

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP31
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP31- 0.0-0.1	D	1.4		NATURAL: SILTY CLAY, brown with clay globules - soft with roots and plant matter throughout	No odour No staining
0.1		D				
0.2						
0.3						
0.4					NATURAL: Red CLAY, stiff with roots throughout	
0.5						
0.6						
0.7						
0.8					NATURAL: Dark grey CLAY - soft	
0.9	TP31- 0.9-1	D	1.6			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

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ENVIRONMENTAL TESTPIT TP32

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP32
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP32- 0.0-0.1	D	1.7		NATURAL: Brown, SILTY CLAY with clay globules, soft with roots and grass throughout	No odour No staining
0.1		D				
0.2						
0.3						
0.4					NATURAL: Red CLAY with grey mottling - firm, roots throughout	
0.5						
0.6						
0.7						
0.8					NATURAL: Grey CLAY with red mottling - firm	
0.9	TP32- 0.9-1	D	1.8			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP33

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP33
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP33- 0.0-0.1	D	1.3		NATURAL: Dark brown, SILTY CLAY, firm/brittle, roots	No odour No staining
0.1		D				
0.2					NATURAL: Dark orange, CLAY, firm	
0.3						
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: grey CLAY (shale like) - hard	
0.9	TP33- 0.9-1	D	1.6			
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP34

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP34
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP34- 0.0-0.1	D	0.6		NATURAL: SILTY CLAY Natural, brown , soft with roots	Tar bitumen next to pit
0.1		D				No odour No staining
0.2					NATURAL: Orange CLAY, firm	
0.3						
0.4					NATURAL: Graded to light orange CLAY	
0.5						
0.6						
0.7					NATURAL: Graded to light grey CLAY	
0.8						
0.9	TP34- 0.9-1	D	0.9		NATURAL: Brownish/grey, hard, brittle, CLAY/SHALE	
1					Termination depth at: 1 meter. Target Depth reached	
1.1						

prensa

ENVIRONMENTAL TESTPIT TP35

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP35
TOTAL DEPTH (m) 1.2

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP35- 0.0-0.1	D	0.6		NATURAL: Brown, SILTY CLAY, firm, roots	No odour No staining
0.1		D				
0.2						
0.3						
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: Orange CLAY, firm	
0.9					NATURAL: Brown, SILTY CLAY, hard, firm	
1						
1.1	TP35- 1.1-1.2	D	0.4		NATURAL: Orange CLAY, firm	
1.2					Termination depth at: 1.2meter. Target Depth reached	
1.3						
1.4						

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ENVIRONMENTAL TESTPIT TP36

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP36
TOTAL DEPTH (m) 0.1

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
	TP36 0.0-0.1	SM	0.9		NATURAL: Orange CLAY, soft	No odour No staining
0.1					Termination depth at: 0.1 Natural reached (Top soil only)	
0.2						
0.3						
0.4						
0.5						
0.6						
0.7						
0.8						
0.9						
1						
1.1						

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ENVIRONMENTAL TESTPIT TP37

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP37
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP37- 0.0-0.1	D	1.5		NATURAL: Brown, SILTY CLAY, stiff	No odour
0.1						
0.2						
0.3					NATURAL: Orange, CLAY, soft/brittle	Charcoal noted
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: CLAY, grated orange to light yellow, soft	
0.9	TP37- 0.9-1	D	1.0		NATURAL: CLAY, light yellow, soft	
1					Termination depth at: 1m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP38

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP38
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP38- 0.0-0.1	D	1.2		FILL: Brown, sandy clay, loose. Building debris including bricks tiles, crushed concrete, blue metals (20-50mm), 40%, roots, organic material	No odour No staining
0.4	TP38- 0.4-0.5	D	1.9		NATURAL: CLAY, dark orange, soft	
0.9	TP38- 0.9-1	D	0.8		NATURAL: CLAY, grey, soft, black staining	
1					Termination depth at: 1m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP39

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP39
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP39- 0.0-0.1	D	1.3		FILL: Silty clay, soft, dark brown	No odour No staining
0.4	TP39- 0.4-0.5	D	1.2		NATURAL: Orange CLAY, soft	
0.8					NATURAL: CLAY, grey, firm	
0.9	TP39- 0.9-1	D	1.2			
1					Termination depth at: 1m Target Depth Reached	

Disclaimer This log is intended for environmental not geotechnical purposes.
produced by ESlog.ESdat.net on 23 Mar 2018

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ENVIRONMENTAL TESTPIT TP40

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP40
TOTAL DEPTH (m) 1.0

LOGGED BY MXP

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP40- 0.0-0.1	D	0.3		FILL: Sandy clay, brown, loose, glass, crushed concrete, metal, blue metals (5-20mm). *Asbestos fragment sound	No odour No staining
0.4	TP40- 0.4-0.5	D	0.2		NATURAL: CLAY, yellow, soft/brittle	
0.7					NATURAL: CLAY, graded to grey/blue clay (Shale like)	
0.9	TP40- 0.9-1	D	0.2			
1					Termination depth at: 1m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP41

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 15/03/18
SAMPLING LOCATION TP41
TOTAL DEPTH (m) 1.0

LOGGED BY ECM

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1	TP41- 0.0-0.1	D	0.2		FILL: Loose, brown, sandy clay, ceramic, crushed concrete, river stones (10%)	No odour No staining
0.2						
0.3						
0.4	TP41- 0.4-0.5	D	0.2		NATURAL: CLAY, red, soft	
0.5						
0.6						
0.7						
0.8						
0.9	TP41- 0.9-1	D	0.1		NATURAL: CLAY, grading to light grey, firm	
1					Termination depth at: 1m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP42

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/18
SAMPLING LOCATION TP42
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP42- 0.0-0.1	D	1.2		NATURAL: SILTY CLAY, brown, soft with organic material	No odour No staining
0.1						
0.2						
0.3					NATURAL: CLAY, red, stiff	
0.4						
0.5						
0.6						
0.7						
0.8						
0.9	TP42- 0.9-1	D	1.2		NATURAL: CLAY, grading to grey with mottled red/orange	
1					Termination depth at: 1m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP43

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/18
SAMPLING LOCATION TP43
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP43- 0.0-0.1 FD7 & FD8	D	1.5		NATURAL: SILTY CLAY, dark brown, soft with organic material	No odour No staining
0.4					NATURAL: SANDY CLAY, light brown/ grey, stiff (rock layer)	
0.7					NATURAL: CLAY, red, very stiff	
0.9	TP43- 0.9-1	D	0.8			
1					Termination depth at: 1m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP44

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/18
SAMPLING LOCATION TP44
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP44- 0.0-0.1	D	33.8		NATURAL: SANDY CLAY, loose, brown, clay clumps and organic material	No odour No staining
0.1						
0.2					NATURAL: SANDY CLAY Graded to grey brown with gravels	
0.3						
0.4					NATURAL: CLAY, red, firm	
0.5						
0.6						
0.7						
0.8						
0.9	TP44- 0.9-1	D	1.9		NATURAL: CLAY, graded to yellow	
1					Termination depth at: 1m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT TP45

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/18
SAMPLING LOCATION TP45
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP45- 0.0-0.1	D	3.3		NATURAL: SILTY CLAY, brown, soft	No odour No staining
0.1						
0.2						
0.3					NATURAL: CLAY, red, firm	
0.4						
0.5						
0.6						
0.7					NATURAL: CLAY, graded to soft grey	
0.8						
0.9	TP45- 0.9-1	D	1.3			
1					Termination depth at: 1m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP46

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/2018
SAMPLING LOCATION TP46
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP46 - 0.0-0.1 FD9 & FD10	D	2.5		NATURAL: SILTY CLAY, soft/brittle clay, red with rootlets and plant matter throughout	Glass bottle near surface No odours No staining
0.1						
0.2						
0.3					NATURAL: CLAY, stiff, red clay	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: CLAY, Grading to natural grey clay with red/orange mottling - brittle	
0.9	TP46 - 0.9-1.0	D	0.5			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

ENVIRONMENTAL TESTPIT TP47

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 16/03/2018
SAMPLING LOCATION TP47
TOTAL DEPTH (m) 1.0

LOGGED BY MXJ

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0	TP47 - 0.0-0.1	D	3.2		NATURAL: SILTY CLAY, soft/brittle, rootlets and plant matter throughout	No odour No staining
0.1						
0.2						
0.3					NATURAL: CLAY, stiff, red clay	
0.4						
0.5						
0.6						
0.7						
0.8					NATURAL: CLAY, grading to natural grey clay with red/orange mottling - brittle	
0.9	TP47 - 0.9-1.0	D	1.3			
1					Termination Depth at:1.0 m Target Depth Reached	
1.1						

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ENVIRONMENTAL TESTPIT MOUND

PROJECT NUMBER 57658
PROJECT NAME St Bartholomew's DSI
CLIENT APP Corporation
ADDRESS Prospect NSW

SAMPLING METHOD Excavator
SAMPLING DATE 14/03/2018
SAMPLING LOCATION Mound
TOTAL DEPTH (m) 0.5

LOGGED BY ECM

COMMENTS Surface Cover: Grass

Depth (m)	Samples	Moisture	PID	Graphic Log	Material Description	Additional Observations
0.1 0.2 0.3 0.4					FILL: soft, dark brown silty clay with glass, plastic, tiles, bricks, roots and charcoal	No odour No staining
0.5					NATURAL: Dark brown CLAY	
0.6 0.7 0.8 0.9 1 1.1					Termination Depth at:0.5 m Target Depth Not Reached	

Appendix E: Laboratory Reports

eurofins | mgt

Melbourne
3-5 Kingston Town Close
Oakleigh Vic 3166
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

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

Perth
2/91 Leach Highway
Kewdale WA 6105
Phone : +61 8 9251 9600
NATA # 1261 Site # 23736

ABN – 50 005 085 521 e.mail : EnviroSales@eurofins.com web : www.eurofins.com.au

Sample Receipt Advice

Company name:	**Prensa Pty Ltd NSW**
Contact name:	Darren Fernandez
Project name:	PROSPECT CONTAM ASSESSMENT
Project ID:	57658
COC number:	Not provided
Turn around time:	8 Day
Date/Time received:	Mar 15, 2018 3:35 PM
Eurofins | mgt reference:	**589953**

Sample information

☑ A detailed list of analytes logged into our LIMS, is included in the attached summary table.

☑ All samples have been received as described on the above COC.

☑ COC has been completed correctly.

☑ Attempt to chill was evident.

☒ Appropriately preserved sample containers have been used.

☑ All samples were received in good condition.

☑ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

☑ Appropriate sample containers have been used.

☑ Sample containers for volatile analysis received with zero headspace.

☒ Split sample sent to requested external lab.

☒ Some samples have been subcontracted.

N/A Custody Seals intact (if used).

Notes

TP36_0.9-1.0,RB_1, RB_2 not received; analysis cancelled. Additional samples TP43_0.4-0.5 (BAG+JAR), 2xFB (WATER) placed on hold.

Contact notes

If you have any questions with respect to these samples please contact:

Nibha Vaidya on Phone : +61 (2) 9900 8400 or by e.mail: NibhaVaidya@eurofins.com

Results will be delivered electronically via e.mail to Darren Fernandez - darren.fernandez@prensa.com.au.

eurofins | mgt

ABN– 50 005 085 521
e.mail : EnviroSales@eurofins.com
web : www.eurofins.com.au

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2-5 Kingston Town Close
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Phone : +61 3 8564 5000
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Company Name: Prensa Pty Ltd NSW
Address: Level 2, 115 Millitary Road
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NSW 2089

Project Name: PROSPECT CONTAM ASSESSMENT
Project ID: 57658

Order No.:
Report #: 589953
Phone: (02) 8968 2500
Fax:

Received: Mar 15, 2018 3:35 PM
Due: Mar 27, 2018
Priority: 8 Day
Contact Name: Darren Fernandez

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	Polychlorinated Biphenyls	Eurofins | mgt Suite B15	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins | mgt Suite B7	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	TP1-0.1-0.2	Mar 14, 2018		Soil	S18-Ma17083					X		X		X	
2	TP2-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17084					X	X	X		X	
3	TP3-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17085					X		X		X	
4	TP4-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17086					X		X		X	
5	TP5-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17087					X	X	X	X	X	
6	TP6-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17088					X	X	X		X	
7	TP7-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17089					X	X	X		X	
8	TP8-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17090					X		X		X	
9	TP9-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17091					X		X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
10	TP10-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17092					X		X		X	
11	TP11-0.1-0.2	Mar 14, 2018		Soil	S18-Ma17093					X		X		X	
12	TP12-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17094					X		X		X	
13	TP13-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17095					X		X		X	
14	TP14-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17096					X		X		X	
15	TP15-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17097					X		X		X	
16	TP16-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17098					X		X		X	
17	TP17-0.0-0.1	Mar 14, 2018		Soil	S18-Ma17099					X		X		X	
18	TP1-0.4-0.5	Mar 14, 2018		Soil	S18-Ma17100							X		X	
19	TP2-0.6-0.7	Mar 14, 2018		Soil	S18-Ma17101							X		X	
20	TP4-0.5-0.6	Mar 14, 2018		Soil	S18-Ma17102							X		X	
21	TP5-0.4-0.5	Mar 14, 2018		Soil	S18-Ma17103							X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
22	TP6-0.8-1.0	Mar 14, 2018		Soil	S18-Ma17104							X		X	
23	TP7-0.3-0.5	Mar 14, 2018		Soil	S18-Ma17105							X		X	
24	TP8-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17106							X		X	
25	TP9-0.8-0.9	Mar 14, 2018		Soil	S18-Ma17107							X		X	
26	TP10-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17108							X		X	
27	TP11-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17109							X		X	
28	TP12-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17110							X		X	
29	TP13-0.5-0.6	Mar 14, 2018		Soil	S18-Ma17111							X		X	
30	TP14-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17112							X		X	
31	TP15-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17113							X		X	
32	TP16-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17114						X	X		X	
33	TP17-0.9-1.0	Mar 14, 2018		Soil	S18-Ma17115							X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
34	SP01_01	Mar 13, 2018		Soil	S18-Ma17116					X		X		X	
35	SP01_02	Mar 13, 2018		Soil	S18-Ma17117					X		X		X	
36	SP01_03	Mar 13, 2018		Soil	S18-Ma17118					X		X		X	
37	SP02_01	Mar 13, 2018		Soil	S18-Ma17119					X		X		X	
38	SP02_02	Mar 13, 2018		Soil	S18-Ma17120					X		X		X	
39	SP02_03	Mar 13, 2018		Soil	S18-Ma17121					X		X		X	
40	SP02_04	Mar 13, 2018		Soil	S18-Ma17122					X		X		X	
41	SP03_01	Mar 13, 2018		Soil	S18-Ma17123					X		X		X	
42	SP03_02	Mar 13, 2018		Soil	S18-Ma17124					X		X		X	
43	SP03_03	Mar 13, 2018		Soil	S18-Ma17125					X		X		X	
44	SP04_01	Mar 13, 2018		Soil	S18-Ma17126					X		X		X	
45	SP04_02	Mar 13, 2018		Soil	S18-Ma17127					X		X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
46	SP04_03	Mar 13, 2018		Soil	S18-Ma17128					X		X		X	
47	SP04_04	Mar 13, 2018		Soil	S18-Ma17129					X		X		X	
48	SHED_1	Mar 13, 2018		Soil	S18-Ma17130					X		X		X	
49	FD1	Mar 14, 2018		Soil	S18-Ma17131				X			X		X	
50	FD3	Mar 14, 2018		Soil	S18-Ma17132				X			X		X	
51	TS_1	Mar 14, 2018		Soil	S18-Ma17133										X
52	TB_1	Mar 14, 2018		Soil	S18-Ma17134										X
53	TP1-0.8-1.0	Mar 14, 2018		Soil	S18-Ma17136			X							
54	TP7-0.8-0.9	Mar 14, 2018		Soil	S18-Ma17137			X							
55	TP1_0.4-0.5	Mar 14, 2018		Soil	S18-Ma21639	X									
56	TP2_0.6-0.7	Mar 14, 2018		Soil	S18-Ma21640	X									
57	TP3_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21641	X									

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
58	TP4_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21642	X									
59	TP4_0.5-0.6	Mar 14, 2018		Soil	S18-Ma21643	X									
60	TP5_0.4-0.5	Mar 14, 2018		Soil	S18-Ma21644	X									
61	TP6_0.8-1.0	Mar 14, 2018		Soil	S18-Ma21645	X									
62	TP7_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21646	X									
63	TP7_0.3-0.5	Mar 14, 2018		Soil	S18-Ma21647	X									
64	TP08_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21648	X									
65	TP8_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21649	X									
66	TP9_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21650	X									
67	TP9_0.8-0.9	Mar 14, 2018		Soil	S18-Ma21651	X									
68	TP10_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21652	X									
69	TP10_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21653	X									

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
70	TP11_0.1-0.2	Mar 14, 2018		Soil	S18-Ma21654	X									
71	TP11_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21655	X									
72	TP12_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21656	X									
73	TP12_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21657	X									
74	TP13_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21658	X									
75	TP13_0.5-0.6	Mar 14, 2018		Soil	S18-Ma21659	X									
76	TP14_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21660	X									
77	TP15_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21661	X									
78	TP15_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21662	X									
79	TP16_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21663	X									
80	TP16_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21664	X									
81	TP17_0.0-0.1	Mar 14, 2018		Soil	S18-Ma21665	X									

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
82	TP17_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21666	X									
83	TP18_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21667	X				X		X		X	
84	TP18_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21668	X						X		X	
85	TP19_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21669	X				X		X		X	
86	TP19_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21670	X						X		X	
87	TP20_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21671	X				X		X		X	
88	TP20_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21672	X						X	X	X	
89	TP21_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21673	X				X		X		X	
90	TP21_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21674	X						X		X	
91	TP22_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21675	X				X		X		X	
92	TP22_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21676	X						X		X	
93	TP23_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21677	X				X		X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
94	TP23_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21678	X						X		X	
95	TP24_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21679	X				X	X	X		X	
96	TP24_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21680	X						X		X	
97	TP25_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21681	X				X		X		X	
98	TP25_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21682	X						X		X	
99	TP26_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21683	X				X		X		X	
100	TP26_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21684	X						X		X	
101	TP27_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21685	X				X		X		X	
102	TP27_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21686	X						X		X	
103	TP28_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21687	X				X		X		X	
104	TP28_0.8-0.9	Mar 15, 2018		Soil	S18-Ma21688	X						X		X	
105	TP29_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21689					X		X		X	

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Company Name: Prensa Pty Ltd NSW
Address: Level 2, 115 Millitary Road
Neutral Bay
NSW 2089

Project Name: PROSPECT CONTAM ASSESSMENT
Project ID: 57658

Order No.:
Report #: 589953
Phone: (02) 8968 2500
Fax:

Received: Mar 15, 2018 3:35 PM
Due: Mar 27, 2018
Priority: 8 Day
Contact Name: Darren Fernandez

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Asbestos - AS4964	CANCELLED	HOLD	Polychlorinated Biphenyls	Eurofins | mgt Suite B15	Volatile Organics	Moisture Set	NEPM Screen for Soil Classification	Eurofins | mgt Suite B7	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
106	TP29_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21690	X						X		X	
107	TP30_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21691	X				X		X		X	
108	TP30_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21692	X						X		X	
109	TP31_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21693					X		X		X	
110	TP31_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21694	X						X		X	
111	TP32_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21695	X				X		X		X	
112	TP32_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21696	X						X		X	
113	TP33_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21697	X				X		X		X	
114	TP33_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21698	X						X		X	
115	TP34_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21699	X				X		X		X	
116	TP34_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21700	X						X		X	
117	TP35_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21701	X				X	X	X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
118	TP35_1.1-1.2	Mar 15, 2018		Soil	S18-Ma21702	X						X		X	
119	TP36_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21703	X				X		X		X	
120	TP36_0.9-1.0	Mar 15, 2018		Soil	S18-Ma21704		X								
121	TP37_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21705	X				X		X		X	
122	TP37_0.9-1.0	Mar 14, 2018		Soil	S18-Ma21706	X						X		X	
123	TP38_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21707	X				X	X	X		X	
124	TP38_0.4-0.5	Mar 15, 2018		Soil	S18-Ma21708	X						X		X	
125	TP39_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21709					X	X	X		X	
126	TP39_0.4-0.5	Mar 15, 2018		Soil	S18-Ma21710	X				X		X		X	
127	TP40_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21711					X	X	X		X	
128	TP40_0.4-0.5	Mar 15, 2018		Soil	S18-Ma21712	X						X		X	
129	TP41_0.0-0.1	Mar 15, 2018		Soil	S18-Ma21713	X				X		X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
130	TP41_0.4-0.5	Mar 15, 2018		Soil	S18-Ma21714	X						X		X	
131	TP42_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21715	X				X		X		X	
132	TP42_0.9-1.0	Mar 16, 2018		Soil	S18-Ma21716	X						X		X	
133	TP43_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21717	X				X		X		X	
134	TP44_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21718	X				X	X	X		X	
135	TP44_0.9-1.0	Mar 16, 2018		Soil	S18-Ma21719	X						X		X	
136	TP45_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21720	X				X		X		X	
137	TP45_0.9-1.0	Mar 16, 2018		Soil	S18-Ma21721	X						X		X	
138	TP46_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21722	X				X		X		X	
139	TP46_0.9-1.0	Mar 16, 2018		Soil	S18-Ma21723	X						X		X	
140	TP47_0.0-0.1	Mar 16, 2018		Soil	S18-Ma21724	X				X		X		X	
141	TP47_0.9-1.0	Mar 16, 2018		Soil	S18-Ma21725	X						X		X	

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
142	TP01_0.9-1.0	Mar 14, 2018		Soil	S18-Ma22054			X							
143	TP038_0.9-1.0	Mar 15, 2018		Soil	S18-Ma22055			X							
144	TP039_0.9-1.0	Mar 15, 2018		Soil	S18-Ma22056			X							
145	TP040_0.9-1.0	Mar 15, 2018		Soil	S18-Ma22057			X							
146	TP041_0.9-1.0	Mar 15, 2018		Soil	S18-Ma22058			X							
147	TP043_0.4-0.5	Mar 16, 2018		Soil	S18-Ma22059	X						X		X	
148	TP043_0.9-1.0	Mar 15, 2018		Soil	S18-Ma22060			X							
149	FD5	Mar 15, 2018		Soil	S18-Ma22061				X			X			
150	FD7	Mar 16, 2018		Soil	S18-Ma22062				X			X			
151	FD9	Mar 16, 2018		Soil	S18-Ma22063				X			X			
152	FB	Mar 16, 2018		Water	S18-Ma22076			X							
153	FB	Mar 16, 2018		Water	S18-Ma22077			X							

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Melbourne Laboratory - NATA Site # 1254 & 14271							X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217						X								X	X
Brisbane Laboratory - NATA Site # 20794													X		
Perth Laboratory - NATA Site # 23736															
154	TS_2	Mar 14, 2018		Soil	S18-Ma22079										X
155	TB_2	Mar 14, 2018		Soil	S18-Ma22080										X
Test Counts						83	1	10	5	63	11	112	2	109	4

Certificate of Analysis

Prensa Pty Ltd NSW
Level 2, 115 Millitary Road
Neutral Bay
NSW 2089

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Attention: **Darren Fernandez**

Report **589953-S**
Project name PROSPECT CONTAM ASSESSMENT
Project ID 57658
Received Date Mar 15, 2018

Client Sample ID			**TP1-0.1-0.2**	**TP2-0.0-0.1**	**TP3-0.0-0.1**	**TP4-0.0-0.1**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17083**	**S18-Ma17084**	**S18-Ma17085**	**S18-Ma17086**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	160	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	120	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	51	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	150	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	201	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	63	136	61	70
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			TP1-0.1-0.2	TP2-0.0-0.1	TP3-0.0-0.1	TP4-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17083	S18-Ma17084	S18-Ma17085	S18-Ma17086
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	-	136	-	-
Toluene-d8 (surr.)	1	%	-	118	-	-

Client Sample ID			TP1-0.1-0.2	TP2-0.0-0.1	TP3-0.0-0.1	TP4-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17083	S18-Ma17084	S18-Ma17085	S18-Ma17086
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	82	84	86	88
p-Terphenyl-d14 (surr.)	1	%	106	87	93	97
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	104	78	83	77
Tetrachloro-m-xylene (surr.)	1	%	106	81	93	81

Client Sample ID			TP1-0.1-0.2	TP2-0.0-0.1	TP3-0.0-0.1	TP4-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17083	S18-Ma17084	S18-Ma17085	S18-Ma17086
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	81	82	80	87
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	104	78	83	77
Tetrachloro-m-xylene (surr.)	1	%	106	81	93	81
% Moisture	1	%	31	18	16	14

Client Sample ID			TP1-0.1-0.2	TP2-0.0-0.1	TP3-0.0-0.1	TP4-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17083	S18-Ma17084	S18-Ma17085	S18-Ma17086
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	15	14	11	10.0
Cadmium	0.4	mg/kg	< 0.4	1.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	57	48	41
Copper	5	mg/kg	44	140	35	52
Lead	5	mg/kg	160	330	100	140
Mercury	0.1	mg/kg	0.3	0.5	0.3	0.2
Nickel	5	mg/kg	21	40	27	25
Zinc	5	mg/kg	250	780	170	160

Client Sample ID			TP5-0.0-0.1	TP6-0.0-0.1	TP7-0.0-0.1	TP8-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17087	S18-Ma17088	S18-Ma17089	S18-Ma17090
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	108	129	127	65
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-

Client Sample ID			TP5-0.0-0.1	TP6-0.0-0.1	TP7-0.0-0.1	TP8-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17087	S18-Ma17088	S18-Ma17089	S18-Ma17090
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	108	129	127	-
Toluene-d8 (surr.)	1	%	105	112	107	-

Client Sample ID			TP5-0.0-0.1	TP6-0.0-0.1	TP7-0.0-0.1	TP8-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17087	S18-Ma17088	S18-Ma17089	S18-Ma17090
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	88	87	83	85
p-Terphenyl-d14 (surr.)	1	%	98	99	91	99
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	80	83	78
Tetrachloro-m-xylene (surr.)	1	%	93	98	93	94

Client Sample ID			TP5-0.0-0.1	TP6-0.0-0.1	TP7-0.0-0.1	TP8-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17087	S18-Ma17088	S18-Ma17089	S18-Ma17090
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	85	82	79	82
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	84	80	83	78
Tetrachloro-m-xylene (surr.)	1	%	93	98	93	94

Client Sample ID			TP5-0.0-0.1	TP6-0.0-0.1	TP7-0.0-0.1	TP8-0.0-0.1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17087**	**S18-Ma17088**	**S18-Ma17089**	**S18-Ma17090**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
% Clay	1	%	24	-	-	-
Conductivity (1:5 aqueous extract at 25°C as rec.)	10	uS/cm	1900	-	-	-
pH (units)(1:5 soil:CaCl2 extract at 25°C as rec.)	0.1	pH Units	5.0	-	-	-
Total Organic Carbon	0.1	%	3.7	-	-	-
% Moisture	1	%	19	18	18	19
Heavy Metals						
Arsenic	2	mg/kg	4.7	5.5	7.0	8.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	28	25	24	46
Copper	5	mg/kg	27	30	30	31
Iron	20	mg/kg	58000	-	-	-
Lead	5	mg/kg	75	100	150	65
Mercury	0.1	mg/kg	< 0.1	< 0.1	0.1	< 0.1
Nickel	5	mg/kg	15	14	20	24
Zinc	5	mg/kg	83	210	68	87
Heavy Metals						
Iron (%)	0.01	%	5.8	-	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	16	-	-	-

Client Sample ID			TP9-0.0-0.1	TP10-0.0-0.1	TP11-0.1-0.2	TP12-0.0-0.1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17091**	**S18-Ma17092**	**S18-Ma17093**	**S18-Ma17094**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	64	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	64	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	110	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	81	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	79	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	160	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	85	71	68	66

Client Sample ID			TP9-0.0-0.1	TP10-0.0-0.1	TP11-0.1-0.2	TP12-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17091	S18-Ma17092	S18-Ma17093	S18-Ma17094
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84	81	86	82
p-Terphenyl-d14 (surr.)	1	%	98	91	98	93
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	0.30	0.25	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.3	0.25	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.3	0.25	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	83	86	74	95
Tetrachloro-m-xylene (surr.)	1	%	82	86	96	82

Client Sample ID			TP9-0.0-0.1	TP10-0.0-0.1	TP11-0.1-0.2	TP12-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17091	S18-Ma17092	S18-Ma17093	S18-Ma17094
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	84	79	82	76
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	83	86	74	95
Tetrachloro-m-xylene (surr.)	1	%	82	86	96	82
% Moisture	1	%	16	15	17	16

Client Sample ID			TP9-0.0-0.1	TP10-0.0-0.1	TP11-0.1-0.2	TP12-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17091	S18-Ma17092	S18-Ma17093	S18-Ma17094
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	7.9	6.9	5.7	7.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	38	29	31	37
Copper	5	mg/kg	50	45	24	21
Lead	5	mg/kg	84	56	67	52
Mercury	0.1	mg/kg	< 0.1	0.1	< 0.1	< 0.1
Nickel	5	mg/kg	17	10	14	12
Zinc	5	mg/kg	61	52	57	52

Client Sample ID			TP13-0.0-0.1	TP14-0.0-0.1	TP15-0.0-0.1	TP16-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17095	S18-Ma17096	S18-Ma17097	S18-Ma17098
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	69	76	71	69
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP13-0.0-0.1	TP14-0.0-0.1	TP15-0.0-0.1	TP16-0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17095	S18-Ma17096	S18-Ma17097	S18-Ma17098
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	109	89	80	75
p-Terphenyl-d14 (surr.)	1	%	129	105	92	83
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.07
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.07
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	71	79	78	73
Tetrachloro-m-xylene (surr.)	1	%	74	74	82	65
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			TP13-0.0-0.1	TP14-0.0-0.1	TP15-0.0-0.1	TP16-0.0-0.1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17095**	**S18-Ma17096**	**S18-Ma17097**	**S18-Ma17098**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	102	83	78	70
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	71	79	78	73
Tetrachloro-m-xylene (surr.)	1	%	74	74	82	65
% Moisture	1	%	16	11	13	11
Heavy Metals						
Arsenic	2	mg/kg	11	18	11	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	27	25	28
Copper	5	mg/kg	32	45	36	42
Lead	5	mg/kg	32	50	39	38
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	12	8.9	11
Zinc	5	mg/kg	48	60	42	46

Client Sample ID			TP17-0.0-0.1	TP1-0.4-0.5	TP2-0.6-0.7	TP4-0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17099	S18-Ma17100	S18-Ma17101	S18-Ma17102
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	71	73	69	80
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	72	83	93	94
p-Terphenyl-d14 (surr.)	1	%	86	97	114	114
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDE	0.05	mg/kg	0.06	-	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	-

Client Sample ID			TP17-0.0-0.1	TP1-0.4-0.5	TP2-0.6-0.7	TP4-0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17099	S18-Ma17100	S18-Ma17101	S18-Ma17102
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-BHC	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-BHC	0.05	mg/kg	< 0.05	-	-	-
d-BHC	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxaphene	1	mg/kg	< 1	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.06	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	75	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	69	-	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID			TP17-0.0-0.1	TP1-0.4-0.5	TP2-0.6-0.7	TP4-0.5-0.6
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17099	S18-Ma17100	S18-Ma17101	S18-Ma17102
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	66	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	75	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	69	-	-	-
% Moisture	1	%	13	17	16	16
Heavy Metals						
Arsenic	2	mg/kg	10	19	11	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	28	30	32
Copper	5	mg/kg	38	37	34	26
Lead	5	mg/kg	33	25	22	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.9	22	14	8.8
Zinc	5	mg/kg	42	48	39	30

Client Sample ID			TP5-0.4-0.5	TP6-0.8-1.0	TP7-0.3-0.5	TP8-0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17103	S18-Ma17104	S18-Ma17105	S18-Ma17106
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			TP5-0.4-0.5	TP6-0.8-1.0	TP7-0.3-0.5	TP8-0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17103	S18-Ma17104	S18-Ma17105	S18-Ma17106
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	67	67	73	68
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	98	85	102	90
p-Terphenyl-d14 (surr.)	1	%	122	104	122	95
% Moisture	1	%	20	14	16	15
Heavy Metals						
Arsenic	2	mg/kg	4.5	< 2	6.4	5.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	16	33	25
Copper	5	mg/kg	27	37	45	55
Lead	5	mg/kg	29	12	29	28
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	8.1	7.9	16	16
Zinc	5	mg/kg	36	44	75	78

Client Sample ID			TP9-0.8-0.9	TP10-0.9-1.0	TP11-0.9-1.0	TP12-0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17107**	**S18-Ma17108**	**S18-Ma17109**	**S18-Ma17110**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	76	74	58	73
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94	96	106	101
p-Terphenyl-d14 (surr.)	1	%	123	130	139	138
% Moisture	1	%	15	15	17	15

Client Sample ID			TP9-0.8-0.9	TP10-0.9-1.0	TP11-0.9-1.0	TP12-0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17107	S18-Ma17108	S18-Ma17109	S18-Ma17110
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	9.1	3.0	5.8	4.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	17	16	21
Copper	5	mg/kg	30	43	33	48
Lead	5	mg/kg	13	21	14	19
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	13	9.2	16
Zinc	5	mg/kg	26	70	47	86

Client Sample ID			TP13-0.5-0.6	TP14-0.9-1.0	TP15-0.9-1.0	TP16-0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17111	S18-Ma17112	S18-Ma17113	S18-Ma17114
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	68	72	66	123
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP13-0.5-0.6	TP14-0.9-1.0	TP15-0.9-1.0	TP16-0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17111	S18-Ma17112	S18-Ma17113	S18-Ma17114
Date Sampled			Mar 14, 2018	Mar 14, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	123
Toluene-d8 (surr.)	1	%	-	-	-	104

Client Sample ID			TP13-0.5-0.6	TP14-0.9-1.0	TP15-0.9-1.0	TP16-0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17111**	**S18-Ma17112**	**S18-Ma17113**	**S18-Ma17114**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	104	97	101	101
p-Terphenyl-d14 (surr.)	1	%	135	120	120	132
% Moisture	1	%	17	14	17	15
Heavy Metals						
Arsenic	2	mg/kg	6.2	9.9	9.7	4.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	10.0	26	17	17
Copper	5	mg/kg	49	42	26	28
Lead	5	mg/kg	21	26	16	15
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	8.2	< 5	5.0
Zinc	5	mg/kg	24	41	24	32

Client Sample ID			TP17-0.9-1.0	SP01_01	SP01_02	SP01_03
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17115**	**S18-Ma17116**	**S18-Ma17117**	**S18-Ma17118**
Date Sampled			**Mar 14, 2018**	**Mar 13, 2018**	**Mar 13, 2018**	**Mar 13, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			TP17-0.9-1.0	SP01_01	SP01_02	SP01_03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17115	S18-Ma17116	S18-Ma17117	S18-Ma17118
Date Sampled			Mar 14, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	72	70	65	71
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	99	96	108	104
p-Terphenyl-d14 (surr.)	1	%	127	112	123	112
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05

Client Sample ID			TP17-0.9-1.0	SP01_01	SP01_02	SP01_03
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17115**	**S18-Ma17116**	**S18-Ma17117**	**S18-Ma17118**
Date Sampled			**Mar 14, 2018**	**Mar 13, 2018**	**Mar 13, 2018**	**Mar 13, 2018**
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	-	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	0.1
Dibutylchlorendate (surr.)	1	%	-	111	75	103
Tetrachloro-m-xylene (surr.)	1	%	-	97	73	83
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	< 2	< 2	< 2
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	-	< 2	< 2	< 2
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2

Client Sample ID			TP17-0.9-1.0	SP01_01	SP01_02	SP01_03
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17115	S18-Ma17116	S18-Ma17117	S18-Ma17118
Date Sampled			Mar 14, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	88	106	99
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	111	75	103
Tetrachloro-m-xylene (surr.)	1	%	-	97	73	83
% Moisture	1	%	12	16	14	11
Heavy Metals						
Arsenic	2	mg/kg	3.1	9.4	7.3	6.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	20	18	33
Copper	5	mg/kg	29	20	30	41
Lead	5	mg/kg	13	58	88	220
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	7.6	6.0	11	34
Zinc	5	mg/kg	42	62	130	170

Client Sample ID			SP02_01	SP02_02	SP02_03	SP02_04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17119	S18-Ma17120	S18-Ma17121	S18-Ma17122
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	23	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50

Client Sample ID			SP02_01	SP02_02	SP02_03	SP02_04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17119	S18-Ma17120	S18-Ma17121	S18-Ma17122
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	74	61	61	68
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	1.4	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	1.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.9	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	1.3	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	0.8	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	2.1	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	2.0	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	1.4	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	8.2	< 0.5
2-Fluorobiphenyl (surr.)	1	%	111	107	90	93
p-Terphenyl-d14 (surr.)	1	%	118	121	93	105
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	2.3	0.5	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			SP02_01	SP02_02	SP02_03	SP02_04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17119	S18-Ma17120	S18-Ma17121	S18-Ma17122
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	2.3	0.5	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	2.3	0.5	< 0.1
Dibutylchlorendate (surr.)	1	%	99	110	97	78
Tetrachloro-m-xylene (surr.)	1	%	93	91	88	86
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	110	55	93	94

Client Sample ID			SP02_01	SP02_02	SP02_03	SP02_04
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17119	S18-Ma17120	S18-Ma17121	S18-Ma17122
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	99	110	97	78
Tetrachloro-m-xylene (surr.)	1	%	93	91	88	86
% Moisture	1	%	9.8	18	10	15
Heavy Metals						
Arsenic	2	mg/kg	3.2	11	7.9	16
Cadmium	0.4	mg/kg	< 0.4	0.4	< 0.4	< 0.4
Chromium	5	mg/kg	42	37	30	23
Copper	5	mg/kg	47	33	24	31
Lead	5	mg/kg	80	120	50	53
Mercury	0.1	mg/kg	0.2	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	71	16	20	13
Zinc	5	mg/kg	85	150	70	170

Client Sample ID			SP03_01	SP03_02	SP03_03	SP04_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17123	S18-Ma17124	S18-Ma17125	S18-Ma17126
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	58	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	58	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	71	71	75	93

Client Sample ID			SP03_01	SP03_02	SP03_03	SP04_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17123	S18-Ma17124	S18-Ma17125	S18-Ma17126
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	1.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	0.6	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	1.4	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	4	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	95	88	93	91
p-Terphenyl-d14 (surr.)	1	%	104	98	109	102
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	101	102	96	87
Tetrachloro-m-xylene (surr.)	1	%	91	76	83	83

Client Sample ID			SP03_01	SP03_02	SP03_03	SP04_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17123	S18-Ma17124	S18-Ma17125	S18-Ma17126
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	94	94	94	93
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	101	102	96	87
Tetrachloro-m-xylene (surr.)	1	%	91	76	83	83
% Moisture	1	%	9.5	8.0	11	12

Client Sample ID			SP03_01	SP03_02	SP03_03	SP04_01
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17123	S18-Ma17124	S18-Ma17125	S18-Ma17126
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	12	16	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	0.7
Chromium	5	mg/kg	42	23	13	24
Copper	5	mg/kg	61	69	30	38
Lead	5	mg/kg	< 5	51	19	260
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	180	12	6.4	13
Zinc	5	mg/kg	76	78	35	370

Client Sample ID			SP04_02	SP04_03	SP04_04	SHED_1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17127	S18-Ma17128	S18-Ma17129	S18-Ma17130
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	20	24	25	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	76	72	65	68
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			SP04_02	SP04_03	SP04_04	SHED_1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17127	S18-Ma17128	S18-Ma17129	S18-Ma17130
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	89	101	93	72
p-Terphenyl-d14 (surr.)	1	%	99	116	108	80
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	97	113	106	107
Tetrachloro-m-xylene (surr.)	1	%	83	88	79	82
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2

Client Sample ID			SP04_02	SP04_03	SP04_04	SHED_1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma17127	S18-Ma17128	S18-Ma17129	S18-Ma17130
Date Sampled			Mar 13, 2018	Mar 13, 2018	Mar 13, 2018	Mar 13, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	89	108	95	91
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	97	113	106	107
Tetrachloro-m-xylene (surr.)	1	%	83	88	79	82
% Moisture	1	%	5.7	9.3	12	14
Heavy Metals						
Arsenic	2	mg/kg	2.5	5.6	5.6	22
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	100	14	29
Copper	5	mg/kg	21	48	40	36
Lead	5	mg/kg	46	21	33	48
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.8	78	8.5	13
Zinc	5	mg/kg	42	75	110	120

Client Sample ID			FD1	FD3	TS_1	TB_1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17131**	**S18-Ma17132**	**S18-Ma17133**	**S18-Ma17134**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	130	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	120	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	-
TRH >C16-C34	100	mg/kg	< 100	< 100	-	-
TRH >C34-C40	100	mg/kg	< 100	< 100	-	-
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	110	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	-
TRH C15-C28	50	mg/kg	< 50	< 50	-	-
TRH C29-C36	50	mg/kg	< 50	< 50	-	-
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	110	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	110	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	110	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	110	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	110	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	110	< 0.3
4-Bromofluorobenzene (surr.)	1	%	60	57	70	72
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	67	57	-	-
p-Terphenyl-d14 (surr.)	1	%	60	55	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-

Client Sample ID			FD1	FD3	TS_1	TB_1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma17131**	**S18-Ma17132**	**S18-Ma17133**	**S18-Ma17134**
Date Sampled			**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	91	83	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	71	-	-
% Moisture	1	%	14	15	-	-
Heavy Metals						
Arsenic	2	mg/kg	15	7.9	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	23	37	-	-
Copper	5	mg/kg	31	45	-	-
Lead	5	mg/kg	58	61	-	-
Mercury	0.1	mg/kg	< 0.1	0.1	-	-
Nickel	5	mg/kg	13	12	-	-
Zinc	5	mg/kg	110	57	-	-

Client Sample ID			TP18_0.0-0.1	TP18_0.9-1.0	TP19_0.0-0.1	TP19_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21667**	**S18-Ma21668**	**S18-Ma21669**	**S18-Ma21670**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	86	92	79	88

Client Sample ID			TP18_0.0-0.1	TP18_0.9-1.0	TP19_0.0-0.1	TP19_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21667**	**S18-Ma21668**	**S18-Ma21669**	**S18-Ma21670**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	89	97	139	88
p-Terphenyl-d14 (surr.)	1	%	94	98	83	89
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.06	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.06	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	107	-	104	-
Tetrachloro-m-xylene (surr.)	1	%	95	-	95	-

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	TP18_0.0-0.1 Soil S18-Ma21667 Mar 15, 2018	TP18_0.9-1.0 Soil S18-Ma21668 Mar 15, 2018	TP19_0.0-0.1 Soil S18-Ma21669 Mar 15, 2018	TP19_0.9-1.0 Soil S18-Ma21670 Mar 15, 2018
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	111	-	106	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	107	-	104	-
Tetrachloro-m-xylene (surr.)	1	%	95	-	95	-
% Moisture	1	%	21	11	18	16

Client Sample ID			TP18_0.0-0.1	TP18_0.9-1.0	TP19_0.0-0.1	TP19_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21667	S18-Ma21668	S18-Ma21669	S18-Ma21670
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	10	12	22	4.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	14	22	17
Copper	5	mg/kg	60	44	49	41
Lead	5	mg/kg	30	17	52	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	12	15	12	12
Zinc	5	mg/kg	54	83	50	74

Client Sample ID			TP20_0.0-0.1	TP20_0.9-1.0	TP21_0.0-0.1	TP21_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21671	S18-Ma21672	S18-Ma21673	S18-Ma21674
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	85	59	60	57
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP20_0.0-0.1	TP20_0.9-1.0	TP21_0.0-0.1	TP21_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21671	S18-Ma21672	S18-Ma21673	S18-Ma21674
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	94	105	109	79
p-Terphenyl-d14 (surr.)	1	%	91	99	108	99
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.60	-	0.56	-
4.4'-DDT	0.05	mg/kg	0.13	-	0.07	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	0.20	-	0.07	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	0.2	-	0.07	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.73	-	0.63	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	1.03	-	0.7	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	137	-	94	-
Tetrachloro-m-xylene (surr.)	1	%	115	-	146	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			TP20_0.0-0.1	TP20_0.9-1.0	TP21_0.0-0.1	TP21_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21671	S18-Ma21672	S18-Ma21673	S18-Ma21674
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	107	-	127	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	137	-	94	-
Tetrachloro-m-xylene (surr.)	1	%	115	-	146	-
% Clay	1	%	-	34	-	-
Conductivity (1:5 aqueous extract at 25°C as rec.)	10	uS/cm	-	700	-	-
pH (units)(1:5 soil:CaCl2 extract at 25°C as rec.)	0.1	pH Units	-	4.1	-	-
Total Organic Carbon	0.1	%	-	0.2	-	-
% Moisture	1	%	18	14	16	7.9
Heavy Metals						
Arsenic	2	mg/kg	17	13	26	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	22	9.3	22	8.5
Copper	5	mg/kg	43	18	51	37
Iron	20	mg/kg	-	18000	-	-

Client Sample ID			TP20_0.0-0.1	TP20_0.9-1.0	TP21_0.0-0.1	TP21_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21671	S18-Ma21672	S18-Ma21673	S18-Ma21674
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	39	9.9	59	14
Mercury	0.1	mg/kg	< 0.1	< 0.1	0.1	< 0.1
Nickel	5	mg/kg	7.2	7.2	10	62
Zinc	5	mg/kg	40	41	52	130
Heavy Metals						
Iron (%)	0.01	%	-	1.8	-	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.05	meq/100g	-	22	-	-

Client Sample ID			TP22_0.0-0.1	TP22_0.9-1.0	TP23_0.0-0.1	TP23_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21675	S18-Ma21676	S18-Ma21677	S18-Ma21678
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	180	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	210	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	210	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	57	54	67	62
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP22_0.0-0.1	TP22_0.9-1.0	TP23_0.0-0.1	TP23_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21675	S18-Ma21676	S18-Ma21677	S18-Ma21678
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	93	92	93
p-Terphenyl-d14 (surr.)	1	%	87	112	84	102
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.07	-	0.38	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	0.06	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.07	-	0.44	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	0.44	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	115	-	127	-
Tetrachloro-m-xylene (surr.)	1	%	113	-	104	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			TP22_0.0-0.1	TP22_0.9-1.0	TP23_0.0-0.1	TP23_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21675**	**S18-Ma21676**	**S18-Ma21677**	**S18-Ma21678**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	104	-	84	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	115	-	127	-
Tetrachloro-m-xylene (surr.)	1	%	113	-	104	-
% Moisture	1	%	19	14	16	19
Heavy Metals						
Arsenic	2	mg/kg	15	5.8	13	7.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	26	11	22	8.5
Copper	5	mg/kg	43	46	54	30
Lead	5	mg/kg	39	19	49	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	20	8.9	11	< 5
Zinc	5	mg/kg	65	56	55	17

Client Sample ID			TP24_0.0-0.1	TP24_0.9-1.0	TP25_0.0-0.1	TP25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21679	S18-Ma21680	S18-Ma21681	S18-Ma21682
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	126	59	64	63
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			TP24_0.0-0.1	TP24_0.9-1.0	TP25_0.0-0.1	TP25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21679	S18-Ma21680	S18-Ma21681	S18-Ma21682
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	126	-	-	-
Toluene-d8 (surr.)	1	%	111	-	-	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP24_0.0-0.1	TP24_0.9-1.0	TP25_0.0-0.1	TP25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21679	S18-Ma21680	S18-Ma21681	S18-Ma21682
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	81	95	93
p-Terphenyl-d14 (surr.)	1	%	99	93	109	102
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.17	-	0.38	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.17	-	0.38	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.17	-	0.38	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	108	-	111	-
Tetrachloro-m-xylene (surr.)	1	%	124	-	96	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			TP24_0.0-0.1	TP24_0.9-1.0	TP25_0.0-0.1	TP25_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21679**	**S18-Ma21680**	**S18-Ma21681**	**S18-Ma21682**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	97	-	118	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	108	-	111	-
Tetrachloro-m-xylene (surr.)	1	%	124	-	96	-
% Moisture	1	%	15	12	14	14
Heavy Metals						
Arsenic	2	mg/kg	13	5.2	18	21
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	15	24	17
Copper	5	mg/kg	47	24	52	37
Lead	5	mg/kg	36	13	37	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.0	7.6	9.3	9.0
Zinc	5	mg/kg	38	46	53	49

Client Sample ID			TP26_0.0-0.1	TP26_0.9-1.0	TP27_0.0-0.1	TP27_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21683	S18-Ma21684	S18-Ma21685	S18-Ma21686
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	61	65	67	63
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	80	89	87	98
p-Terphenyl-d14 (surr.)	1	%	83	99	86	111
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.43	-	0.21	-
4.4'-DDT	0.05	mg/kg	0.21	-	0.07	-

Client Sample ID			TP26_0.0-0.1	TP26_0.9-1.0	TP27_0.0-0.1	TP27_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21683	S18-Ma21684	S18-Ma21685	S18-Ma21686
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.64	-	0.28	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.64	-	0.28	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	138	-	105	-
Tetrachloro-m-xylene (surr.)	1	%	117	-	99	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			TP26_0.0-0.1	TP26_0.9-1.0	TP27_0.0-0.1	TP27_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21683	S18-Ma21684	S18-Ma21685	S18-Ma21686
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	96	-	106	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	138	-	105	-
Tetrachloro-m-xylene (surr.)	1	%	117	-	99	-
% Moisture	1	%	16	14	13	11
Heavy Metals						
Arsenic	2	mg/kg	16	8.1	10	7.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	25	20	23	14
Copper	5	mg/kg	45	42	30	65
Lead	5	mg/kg	37	12	30	45
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	8.6	9.2	17
Zinc	5	mg/kg	55	45	47	89

Client Sample ID			TP28_0.0-0.1	TP28_0.8-0.9	TP29_0.0-0.1	TP29_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21687	S18-Ma21688	S18-Ma21689	S18-Ma21690
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100

Client Sample ID			TP28_0.0-0.1	TP28_0.8-0.9	TP29_0.0-0.1	TP29_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21687**	**S18-Ma21688**	**S18-Ma21689**	**S18-Ma21690**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	66	62	65	69
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	93	94	77	93
p-Terphenyl-d14 (surr.)	1	%	93	106	76	97
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.38	-	0.26	-
4.4'-DDT	0.05	mg/kg	0.08	-	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			TP28_0.0-0.1	TP28_0.8-0.9	TP29_0.0-0.1	TP29_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21687**	**S18-Ma21688**	**S18-Ma21689**	**S18-Ma21690**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.46	-	0.26	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.46	-	0.26	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	127	-	148	-
Tetrachloro-m-xylene (surr.)	1	%	74	-	103	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	TP28_0.0-0.1 Soil S18-Ma21687 Mar 15, 2018	TP28_0.8-0.9 Soil S18-Ma21688 Mar 15, 2018	TP29_0.0-0.1 Soil S18-Ma21689 Mar 15, 2018	TP29_0.9-1.0 Soil S18-Ma21690 Mar 15, 2018
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	107	-	91	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	127	-	148	-
Tetrachloro-m-xylene (surr.)	1	%	74	-	103	-
% Moisture	1	%	9.4	11	12	14
Heavy Metals						
Arsenic	2	mg/kg	12	5.4	9.0	6.6
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	24	10.0	23	6.4
Copper	5	mg/kg	44	33	54	23
Lead	5	mg/kg	54	11	40	13
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	13	< 5	16	< 5
Zinc	5	mg/kg	68	28	77	20

Client Sample ID Sample Matrix Eurofins | mgt Sample No. Date Sampled Test/Reference	LOR	Unit	TP30_0.0-0.1 Soil S18-Ma21691 Mar 15, 2018	TP30_0.9-1.0 Soil S18-Ma21692 Mar 15, 2018	TP31_0.0-0.1 Soil S18-Ma21693 Mar 15, 2018	TP31_0.9-1.0 Soil S18-Ma21694 Mar 15, 2018
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50

Client Sample ID			TP30_0.0-0.1	TP30_0.9-1.0	TP31_0.0-0.1	TP31_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21691	S18-Ma21692	S18-Ma21693	S18-Ma21694
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	63	58	62	66
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84	88	101	83
p-Terphenyl-d14 (surr.)	1	%	85	101	101	98
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.20	-	0.38	-
4.4'-DDT	0.05	mg/kg	0.07	-	0.08	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			TP30_0.0-0.1	TP30_0.9-1.0	TP31_0.0-0.1	TP31_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21691**	**S18-Ma21692**	**S18-Ma21693**	**S18-Ma21694**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.27	-	0.46	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.27	-	0.46	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	105	-	106	-
Tetrachloro-m-xylene (surr.)	1	%	105	-	105	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	103	-	128	-

Client Sample ID			TP30_0.0-0.1	TP30_0.9-1.0	TP31_0.0-0.1	TP31_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21691**	**S18-Ma21692**	**S18-Ma21693**	**S18-Ma21694**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	105	-	106	-
Tetrachloro-m-xylene (surr.)	1	%	105	-	105	-
% Moisture	1	%	15	14	12	12
Heavy Metals						
Arsenic	2	mg/kg	7.8	8.9	9.3	2.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	7.1	25	5.7
Copper	5	mg/kg	40	34	37	22
Lead	5	mg/kg	260	15	34	10
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	14	< 5	12	< 5
Zinc	5	mg/kg	130	22	49	14

Client Sample ID			TP32_0.0-0.1	TP32_0.9-1.0	TP33_0.0-0.1	TP33_0.9-1.0
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21695**	**S18-Ma21696**	**S18-Ma21697**	**S18-Ma21698**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	66	83	81	79

Client Sample ID			TP32_0.0-0.1	TP32_0.9-1.0	TP33_0.0-0.1	TP33_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21695	S18-Ma21696	S18-Ma21697	S18-Ma21698
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	103	85	91	92
p-Terphenyl-d14 (surr.)	1	%	77	85	98	90
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.06	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.06	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	145	-	131	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	101	-

Client Sample ID			TP32_0.0-0.1	TP32_0.9-1.0	TP33_0.0-0.1	TP33_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21695	S18-Ma21696	S18-Ma21697	S18-Ma21698
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	93	-	114	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	145	-	131	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	101	-
% Moisture	1	%	12	15	18	13

Client Sample ID			TP32_0.0-0.1	TP32_0.9-1.0	TP33_0.0-0.1	TP33_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21695	S18-Ma21696	S18-Ma21697	S18-Ma21698
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	19	30	8.9	5.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	28	16	25	18
Copper	5	mg/kg	41	28	26	42
Lead	5	mg/kg	55	17	29	16
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	< 5	12	10
Zinc	5	mg/kg	55	23	50	59

Client Sample ID			TP34_0.0-0.1	TP34_0.9-1.0	TP35_0.0-0.1	TP35_1.1-1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21699	S18-Ma21700	S18-Ma21701	S18-Ma21702
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	70	60	93	67
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP34_0.0-0.1	TP34_0.9-1.0	TP35_0.0-0.1	TP35_1.1-1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21699	S18-Ma21700	S18-Ma21701	S18-Ma21702
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	93	-
Toluene-d8 (surr.)	1	%	-	-	87	-

Client Sample ID			TP34_0.0-0.1	TP34_0.9-1.0	TP35_0.0-0.1	TP35_1.1-1.2
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21699**	**S18-Ma21700**	**S18-Ma21701**	**S18-Ma21702**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	77	95	97	92
p-Terphenyl-d14 (surr.)	1	%	96	110	110	102
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	103	-	87	-
Tetrachloro-m-xylene (surr.)	1	%	91	-	85	-

Client Sample ID			TP34_0.0-0.1	TP34_0.9-1.0	TP35_0.0-0.1	TP35_1.1-1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21699	S18-Ma21700	S18-Ma21701	S18-Ma21702
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	107	-	105	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	103	-	87	-
Tetrachloro-m-xylene (surr.)	1	%	91	-	85	-
% Moisture	1	%	13	12	10	15

Client Sample ID			TP34_0.0-0.1	TP34_0.9-1.0	TP35_0.0-0.1	TP35_1.1-1.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21699	S18-Ma21700	S18-Ma21701	S18-Ma21702
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	7.4	6.3	11	8.8
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	23	15	22	21
Copper	5	mg/kg	27	36	29	23
Lead	5	mg/kg	29	16	35	18
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	11	11	11	5.9
Zinc	5	mg/kg	51	69	44	33

Client Sample ID			TP36_0.0-0.1	TP37_0.0-0.1	TP37_0.9-1.0	TP38_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21703	S18-Ma21705	S18-Ma21706	S18-Ma21707
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 14, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	55	69	71	86
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			TP36_0.0-0.1	TP37_0.0-0.1	TP37_0.9-1.0	TP38_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21703	S18-Ma21705	S18-Ma21706	S18-Ma21707
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 14, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	86
Toluene-d8 (surr.)	1	%	-	-	-	82

Client Sample ID			TP36_0.0-0.1	TP37_0.0-0.1	TP37_0.9-1.0	TP38_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21703	S18-Ma21705	S18-Ma21706	S18-Ma21707
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 14, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	79	89	91
p-Terphenyl-d14 (surr.)	1	%	97	87	112	91
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Toxaphene	1	mg/kg	< 1	< 1	-	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	93	101	-	91
Tetrachloro-m-xylene (surr.)	1	%	61	92	-	86

Client Sample ID			TP36_0.0-0.1	TP37_0.0-0.1	TP37_0.9-1.0	TP38_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21703	S18-Ma21705	S18-Ma21706	S18-Ma21707
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 14, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	-	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Omethoate	2	mg/kg	< 2	< 2	-	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
Triphenylphosphate (surr.)	1	%	113	104	-	104
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	93	101	-	91
Tetrachloro-m-xylene (surr.)	1	%	61	92	-	86
% Moisture	1	%	20	15	15	11

Client Sample ID			TP36_0.0-0.1	TP37_0.0-0.1	TP37_0.9-1.0	TP38_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21703	S18-Ma21705	S18-Ma21706	S18-Ma21707
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 14, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	8.6	9.9	7.8	14
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	21	19	18	49
Copper	5	mg/kg	30	31	47	66
Lead	5	mg/kg	24	39	39	170
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	0.6
Nickel	5	mg/kg	26	14	13	57
Zinc	5	mg/kg	62	64	64	220

Client Sample ID			TP38_0.4-0.5	TP39_0.0-0.1	TP39_0.4-0.5	TP40_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21708	S18-Ma21709	S18-Ma21710	S18-Ma21711
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	59	87	69	93
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			TP38_0.4-0.5	TP39_0.0-0.1	TP39_0.4-0.5	TP40_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21708	S18-Ma21709	S18-Ma21710	S18-Ma21711
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	< 0.5
Allyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Bromobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromoform	0.5	mg/kg	-	< 0.5	-	< 0.5
Bromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloroform	0.5	mg/kg	-	< 0.5	-	< 0.5
Chloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibromomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Iodomethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Styrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichloroethene	0.5	mg/kg	-	< 0.5	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	< 0.5
Xylenes - Total	0.3	mg/kg	-	< 0.3	-	< 0.3
Total MAH*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	87	-	93
Toluene-d8 (surr.)	1	%	-	79	-	88

Client Sample ID			TP38_0.4-0.5	TP39_0.0-0.1	TP39_0.4-0.5	TP40_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21708	S18-Ma21709	S18-Ma21710	S18-Ma21711
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	0.9	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.2	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.5	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	0.6	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	0.8	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	0.8	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	0.6	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	1.3	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	0.7	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	1.0	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	6.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	94	84	87
p-Terphenyl-d14 (surr.)	1	%	109	88	87	87
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Toxaphene	1	mg/kg	-	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	89	97	114
Tetrachloro-m-xylene (surr.)	1	%	-	83	91	106

Client Sample ID			TP38_0.4-0.5	TP39_0.0-0.1	TP39_0.4-0.5	TP40_0.0-0.1
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21708**	**S18-Ma21709**	**S18-Ma21710**	**S18-Ma21711**
Date Sampled			**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	-	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	-	< 2	< 2	< 2
Naled	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	-	< 2	< 2	< 2
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	-	110	101	101
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	89	97	114
Tetrachloro-m-xylene (surr.)	1	%	-	83	91	106
% Moisture	1	%	18	16	17	19

Client Sample ID			TP38_0.4-0.5	TP39_0.0-0.1	TP39_0.4-0.5	TP40_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21708	S18-Ma21709	S18-Ma21710	S18-Ma21711
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.3	14	24	6.4
Cadmium	0.4	mg/kg	< 0.4	0.6	< 0.4	0.7
Chromium	5	mg/kg	23	34	32	25
Copper	5	mg/kg	29	53	35	140
Lead	5	mg/kg	19	510	93	240
Mercury	0.1	mg/kg	< 0.1	0.5	0.3	0.5
Nickel	5	mg/kg	17	33	23	24
Zinc	5	mg/kg	56	570	160	530

Client Sample ID			TP40_0.4-0.5	TP41_0.0-0.1	TP41_0.4-0.5	TP42_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21712	S18-Ma21713	S18-Ma21714	S18-Ma21715
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	69	65	66	54
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP40_0.4-0.5	TP41_0.0-0.1	TP41_0.4-0.5	TP42_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21712	S18-Ma21713	S18-Ma21714	S18-Ma21715
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	102	84	79	111
p-Terphenyl-d14 (surr.)	1	%	111	82	105	103
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	< 0.05
a-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
b-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
d-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Toxaphene	1	mg/kg	-	< 1	-	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	101	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	98	-	89
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Coumaphos	2	mg/kg	-	< 2	-	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	-	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	-	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	-	< 0.2

Client Sample ID			TP40_0.4-0.5	TP41_0.0-0.1	TP41_0.4-0.5	TP42_0.0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21712	S18-Ma21713	S18-Ma21714	S18-Ma21715
Date Sampled			Mar 15, 2018	Mar 15, 2018	Mar 15, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Dichlorvos	0.2	mg/kg	-	< 0.2	-	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	-	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	-	< 0.2
EPN	0.2	mg/kg	-	< 0.2	-	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	-	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2	-	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	-	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Monocrotophos	2	mg/kg	-	< 2	-	< 2
Naled	0.2	mg/kg	-	< 0.2	-	< 0.2
Omethoate	2	mg/kg	-	< 2	-	< 2
Phorate	0.2	mg/kg	-	< 0.2	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	-	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	-	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	-	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	104	-	124
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PCB*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	101	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	98	-	89
% Moisture	1	%	13	16	16	12
Heavy Metals						
Arsenic	2	mg/kg	2.4	7.0	9.2	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	45	23	24
Copper	5	mg/kg	43	38	24	21
Lead	5	mg/kg	25	130	23	39
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	27	35	12	12
Zinc	5	mg/kg	86	480	36	51

Client Sample ID			TP42_0.9-1.0	TP43_0.0-0.1	TP44_0.0-0.1	TP44_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21716	S18-Ma21717	S18-Ma21718	S18-Ma21719
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	56	69	85	76
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			TP42_0.9-1.0	TP43_0.0-0.1	TP44_0.0-0.1	TP44_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21716	S18-Ma21717	S18-Ma21718	S18-Ma21719
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Volatile Organics						
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	85	-
Toluene-d8 (surr.)	1	%	-	-	83	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			TP42_0.9-1.0	TP43_0.0-0.1	TP44_0.0-0.1	TP44_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21716	S18-Ma21717	S18-Ma21718	S18-Ma21719
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	68	83	84	89
p-Terphenyl-d14 (surr.)	1	%	89	78	85	95
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	0.11	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	< 0.05	-
a-BHC	0.05	mg/kg	-	< 0.05	< 0.05	-
Aldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
b-BHC	0.05	mg/kg	-	< 0.05	< 0.05	-
d-BHC	0.05	mg/kg	-	< 0.05	< 0.05	-
Dieldrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan I	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan II	0.05	mg/kg	-	< 0.05	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	< 0.05	-
Endrin ketone	0.05	mg/kg	-	< 0.05	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	< 0.05	-
Methoxychlor	0.05	mg/kg	-	< 0.05	< 0.05	-
Toxaphene	1	mg/kg	-	< 1	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	0.11	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	0.11	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	110	91	-
Tetrachloro-m-xylene (surr.)	1	%	-	103	80	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Bolstar	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos	0.2	mg/kg	-	< 0.2	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Coumaphos	2	mg/kg	-	< 2	< 2	-
Demeton-S	0.2	mg/kg	-	< 0.2	< 0.2	-
Demeton-O	0.2	mg/kg	-	< 0.2	< 0.2	-
Diazinon	0.2	mg/kg	-	< 0.2	< 0.2	-
Dichlorvos	0.2	mg/kg	-	< 0.2	< 0.2	-
Dimethoate	0.2	mg/kg	-	< 0.2	< 0.2	-
Disulfoton	0.2	mg/kg	-	< 0.2	< 0.2	-
EPN	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethion	0.2	mg/kg	-	< 0.2	< 0.2	-
Ethoprop	0.2	mg/kg	-	< 0.2	< 0.2	-

Client Sample ID			TP42_0.9-1.0	TP43_0.0-0.1	TP44_0.0-0.1	TP44_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21716	S18-Ma21717	S18-Ma21718	S18-Ma21719
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenitrothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fensulfothion	0.2	mg/kg	-	< 0.2	< 0.2	-
Fenthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Malathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Merphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Methyl parathion	0.2	mg/kg	-	< 0.2	< 0.2	-
Mevinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Monocrotophos	2	mg/kg	-	< 2	< 2	-
Naled	0.2	mg/kg	-	< 0.2	< 0.2	-
Omethoate	2	mg/kg	-	< 2	< 2	-
Phorate	0.2	mg/kg	-	< 0.2	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	< 0.2	-
Pyrazophos	0.2	mg/kg	-	< 0.2	< 0.2	-
Ronnel	0.2	mg/kg	-	< 0.2	< 0.2	-
Terbufos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	< 0.2	-
Tokuthion	0.2	mg/kg	-	< 0.2	< 0.2	-
Trichloronate	0.2	mg/kg	-	< 0.2	< 0.2	-
Triphenylphosphate (surr.)	1	%	-	110	100	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	< 0.1	-
Total PCB*	0.1	mg/kg	-	< 0.1	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	110	91	-
Tetrachloro-m-xylene (surr.)	1	%	-	103	80	-
% Moisture	1	%	15	17	9.6	15
Heavy Metals						
Arsenic	2	mg/kg	4.8	14	10	22
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	14	29	25	12
Copper	5	mg/kg	27	34	21	30
Lead	5	mg/kg	14	37	36	8.8
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	5.4	13	8.9	< 5
Zinc	5	mg/kg	29	56	38	28

Client Sample ID			TP45_0.0-0.1	TP45_0.9-1.0	TP46_0.0-0.1	TP46_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21720	S18-Ma21721	S18-Ma21722	S18-Ma21723
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	66	62	67	120
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	91	73	89	81
p-Terphenyl-d14 (surr.)	1	%	87	115	91	74
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	0.14	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			TP45_0.0-0.1	TP45_0.9-1.0	TP46_0.0-0.1	TP46_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21720	S18-Ma21721	S18-Ma21722	S18-Ma21723
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
a-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
d-BHC	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	1	mg/kg	< 1	-	< 1	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	0.14	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	0.14	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	112	-	120	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	99	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Bolstar	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	< 0.2	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Coumaphos	2	mg/kg	< 2	-	< 2	-
Demeton-S	0.2	mg/kg	< 0.2	-	< 0.2	-
Demeton-O	0.2	mg/kg	< 0.2	-	< 0.2	-
Diazinon	0.2	mg/kg	< 0.2	-	< 0.2	-
Dichlorvos	0.2	mg/kg	< 0.2	-	< 0.2	-
Dimethoate	0.2	mg/kg	< 0.2	-	< 0.2	-
Disulfoton	0.2	mg/kg	< 0.2	-	< 0.2	-
EPN	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethion	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethoprop	0.2	mg/kg	< 0.2	-	< 0.2	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenitrothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fensulfothion	0.2	mg/kg	< 0.2	-	< 0.2	-
Fenthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Malathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Merphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Methyl parathion	0.2	mg/kg	< 0.2	-	< 0.2	-
Mevinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Monocrotophos	2	mg/kg	< 2	-	< 2	-
Naled	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			TP45_0.0-0.1	TP45_0.9-1.0	TP46_0.0-0.1	TP46_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21720	S18-Ma21721	S18-Ma21722	S18-Ma21723
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 16, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Omethoate	2	mg/kg	< 2	-	< 2	-
Phorate	0.2	mg/kg	< 0.2	-	< 0.2	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	< 0.2	-
Pyrazophos	0.2	mg/kg	< 0.2	-	< 0.2	-
Ronnel	0.2	mg/kg	< 0.2	-	< 0.2	-
Terbufos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	< 0.2	-
Tokuthion	0.2	mg/kg	< 0.2	-	< 0.2	-
Trichloronate	0.2	mg/kg	< 0.2	-	< 0.2	-
Triphenylphosphate (surr.)	1	%	105	-	113	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	112	-	120	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	99	-
% Moisture	1	%	14	15	17	14
Heavy Metals						
Arsenic	2	mg/kg	8.0	2.8	15	7.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	20	5.1	32	12
Copper	5	mg/kg	31	17	27	20
Lead	5	mg/kg	38	7.3	37	12
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	9.1	< 5	7.5	< 5
Zinc	5	mg/kg	40	8.5	45	14

Client Sample ID			TP47_0.0-0.1	TP47_0.9-1.0	TP043_0.4-0.5	FD5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21724	S18-Ma21725	S18-Ma22059	S18-Ma22061
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	-
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	-
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	-
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	-

Client Sample ID			TP47_0.0-0.1	TP47_0.9-1.0	TP043_0.4-0.5	FD5
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma21724**	**S18-Ma21725**	**S18-Ma22059**	**S18-Ma22061**
Date Sampled			**Mar 16, 2018**	**Mar 16, 2018**	**Mar 16, 2018**	**Mar 15, 2018**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	-
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	-
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	-
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	-
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	113	100	92	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	103	89	97	-
p-Terphenyl-d14 (surr.)	1	%	112	90	101	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-BHC	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-BHC	0.05	mg/kg	< 0.05	-	-	-
d-BHC	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-

Client Sample ID			TP47_0.0-0.1	TP47_0.9-1.0	TP043_0.4-0.5	FD5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21724	S18-Ma21725	S18-Ma22059	S18-Ma22061
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxaphene	1	mg/kg	< 1	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	93	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	85	-	-	-
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Bolstar	0.2	mg/kg	< 0.2	-	-	-
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	-
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	-
Coumaphos	2	mg/kg	< 2	-	-	-
Demeton-S	0.2	mg/kg	< 0.2	-	-	-
Demeton-O	0.2	mg/kg	< 0.2	-	-	-
Diazinon	0.2	mg/kg	< 0.2	-	-	-
Dichlorvos	0.2	mg/kg	< 0.2	-	-	-
Dimethoate	0.2	mg/kg	< 0.2	-	-	-
Disulfoton	0.2	mg/kg	< 0.2	-	-	-
EPN	0.2	mg/kg	< 0.2	-	-	-
Ethion	0.2	mg/kg	< 0.2	-	-	-
Ethoprop	0.2	mg/kg	< 0.2	-	-	-
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	-
Fenitrothion	0.2	mg/kg	< 0.2	-	-	-
Fensulfothion	0.2	mg/kg	< 0.2	-	-	-
Fenthion	0.2	mg/kg	< 0.2	-	-	-
Malathion	0.2	mg/kg	< 0.2	-	-	-
Merphos	0.2	mg/kg	< 0.2	-	-	-
Methyl parathion	0.2	mg/kg	< 0.2	-	-	-
Mevinphos	0.2	mg/kg	< 0.2	-	-	-
Monocrotophos	2	mg/kg	< 2	-	-	-
Naled	0.2	mg/kg	< 0.2	-	-	-
Omethoate	2	mg/kg	< 2	-	-	-
Phorate	0.2	mg/kg	< 0.2	-	-	-
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	-
Pyrazophos	0.2	mg/kg	< 0.2	-	-	-
Ronnel	0.2	mg/kg	< 0.2	-	-	-
Terbufos	0.2	mg/kg	< 0.2	-	-	-
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	-
Tokuthion	0.2	mg/kg	< 0.2	-	-	-

Client Sample ID			TP47_0.0-0.1	TP47_0.9-1.0	TP043_0.4-0.5	FD5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma21724	S18-Ma21725	S18-Ma22059	S18-Ma22061
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 16, 2018	Mar 15, 2018
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Trichloronate	0.2	mg/kg	< 0.2	-	-	-
Triphenylphosphate (surr.)	1	%	125	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	< 0.1
Total PCB*	0.1	mg/kg	< 0.1	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	93	-	-	122
Tetrachloro-m-xylene (surr.)	1	%	85	-	-	100
% Moisture	1	%	9.7	15	11	20
Heavy Metals						
Arsenic	2	mg/kg	11	5.9	12	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	-
Chromium	5	mg/kg	31	17	26	-
Copper	5	mg/kg	32	22	18	-
Lead	5	mg/kg	28	17	23	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	-
Nickel	5	mg/kg	11	5.0	9.9	-
Zinc	5	mg/kg	44	21	31	-

Client Sample ID			FD7	FD9	[R20]TS_2	TB_2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S18-Ma22062	S18-Ma22063	S18-Ma22079	S18-Ma22080
Date Sampled			Mar 16, 2018	Mar 16, 2018	Mar 14, 2018	Mar 14, 2018
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	83	< 0.5
TRH C6-C10	20	mg/kg	-	-	91	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	-	-	91	< 20
BTEX						
Benzene	0.1	mg/kg	-	-	97	< 0.1
Toluene	0.1	mg/kg	-	-	88	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	93	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	93	< 0.2
o-Xylene	0.1	mg/kg	-	-	93	< 0.1
Xylenes - Total	0.3	mg/kg	-	-	93	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	75	95

Client Sample ID			FD7	FD9	[R20]TS_2	TB_2
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S18-Ma22062**	**S18-Ma22063**	**S18-Ma22079**	**S18-Ma22080**
Date Sampled			**Mar 16, 2018**	**Mar 16, 2018**	**Mar 14, 2018**	**Mar 14, 2018**
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	< 0.1	-	-
Total PCB*	0.1	mg/kg	< 0.1	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	114	93	-	-
Tetrachloro-m-xylene (surr.)	1	%	104	99	-	-
% Moisture	1	%	15	14	-	-

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

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

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Mar 22, 2018	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Total Recoverable Hydrocarbons	Sydney	Mar 22, 2018	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Mar 22, 2018	14 Day
- Method: LTM-ORG-2010 TRH C6-C36			
BTEX	Melbourne	Mar 22, 2018	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Eurofins | mgt Suite B7			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Mar 22, 2018	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Polycyclic Aromatic Hydrocarbons	Melbourne	Mar 22, 2018	14 Day
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Melbourne	Mar 22, 2018	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Melbourne	Mar 26, 2018	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Eurofins | mgt Suite B15			
Organochlorine Pesticides	Melbourne	Mar 22, 2018	14 Day
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Organophosphorus Pesticides	Melbourne	Mar 22, 2018	14 Day
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS			
Polychlorinated Biphenyls	Melbourne	Mar 22, 2018	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
NEPM Screen for Soil Classification			
% Clay	Brisbane	Mar 29, 2018	6 Day
- Method: LTM-GEN-7040			
Conductivity (1:5 aqueous extract at 25°C as rec.)	Melbourne	Mar 26, 2018	7 Day
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25°C as rec.)	Melbourne	Mar 26, 2018	7 Day
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Mar 26, 2018	28 Day
- Method: APHA 5310B Total Organic Carbon			
Heavy Metals	Melbourne	Mar 26, 2018	180 Day
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Cation Exchange Capacity	Melbourne	Mar 26, 2018	180 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
% Moisture	Melbourne	Mar 22, 2018	14 Day
- Method: LTM-GEN-7080 Moisture			

Comments

Sample Integrity

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

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
Q15	The RPD reported passes Eurofins | mgt's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.
R20	This sample is a Trip Spike and therefore all results are reported as a percentage

Authorised By

Nibha Vaidya	Analytical Services Manager
Alex Petridis	Senior Analyst-Metal (VIC)
Joseph Edouard	Senior Analyst-Organic (VIC)
Michael Brancati	Senior Analyst-Inorganic (VIC)
Nibha Vaidya	Senior Analyst-Asbestos (NSW)
Harry Bacallis	Senior Analyst-Volatile (VIC)
Jonathon Angell	Senior Analyst-Inorganic (QLD)

Glenn Jackson

National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

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

Measurement uncertainty of test data is available on request or please click here.

CHAIN OF CUSTODY

ALS Laboratory: please tick →

☐ ADELAIDE 21 Burma Road Pooraka SA 5095 Ph: 08 8359 0890 E: adelaide@alsglobal.com
☐ BRISBANE 32 Shand Street Stafford QLD 4053 Ph: 07 3243 7222 E: samples.brisbane@alsglobal.com
☐ GLADSTONE 46 Callemondah Drive Clinton QLD 4680 Ph: 07 7471 5600 E: gladstone@alsglobal.com
☐ MACKAY 78 Harbour Road Mackay QLD 4740 Ph: 07 4944 0177 E: mackay@alsglobal.com
☐ MELBOURNE 2-4 Westall Road Springvale VIC 3171 Ph: 03 8549 9600 E: samples.melbourne@alsglobal.com
☐ MUDGEE 27 Sydney Road Mudgee NSW 2850 Ph: 02 6372 6735 E: mudgee.mail@alsglobal.com
☐ NEWCASTLE 5/585 Maitland Rd Mayfield West NSW 2304 Ph: 02 4014 2500 E: samples.newcastle@alsglobal.com
☐ NOWRA 4/13 Geary Place North Nowra NSW 2541 Ph: 024423 2063 E: nowra@alsglobal.com
☐ PERTH 10 Hod Way Malaga WA 6090 Ph: 08 9209 7655 E: samples.perth@alsglobal.com
☒ SYDNEY 277-289 Woodpark Road Smithfield NSW 2164 Ph: 02 8784 8555 E: samples.sydney@alsglobal.com
☐ TOWNSVILLE 14-15 Desma Court Bohle QLD 4818 Ph: 07 4796 0600 E: townsville.environmental@alsglobal.com
☐ WOLLONGONG 99 Kenny Street Wollongong NSW 2500 Ph: 02 4225 3125 E: portkembla@alsglobal.com

CLIENT: Prensa	TURNAROUND REQUIREMENTS: (Standard TAT may be longer for some tests e.g. Ultra Trace Organics) ☒ Standard TAT (List due date): ☐ Non Standard or urgent TAT (List due date):
OFFICE: Lvl 2, 115 Military Road, Neutral Bay NSW 2089	
PROJECT: Contamination Assessment Prosepct	ALS QUOTE NO.: SYBQ/402/17
ORDER NUMBER:	COC SEQUENCE NUMBER (Circle) COC: (1) 2 3 4 5 6 7 OF: (1) 2 3 4 5 6 7
PROJECT MANAGER: Maddi Jones	CONTACT PH: 0466 272 858
SAMPLER: MXJ	SAMPLER MOBILE: 0466 272 858
COC emailed to ALS? (YES) NO)	EDD FORMAT (or default): Esdat
Email Reports to (will default to PM if no other addresses are listed): maddi.jones@prensa.com.au	
Email Invoice to (will default to PM if no other addresses are listed): maddi.jones prensa.com.au	

FOR LABORATORY USE ONLY (Circle)
Custody Seal Intact? (Yes) No N/A
Freezer / frozen ice packs present upon receipt? Yes No N/A
Random Sample Temperatures on Receipt: 0.3 °C
Other comment:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Melanie Kime			
DATE/TIME: ~~15/3/18 14:30~~	DATE/TIME: 9:15 16/3/18 1835	DATE/TIME:	DATE/TIME:

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL: 16/3/18 08:15

ALS USE	SAMPLE DETAILS MATRIX: SOLID (S) WATER (W)			CONTAINER INFORMATION		ANALYSIS REQUIRED including SUITES (NB. Suite Codes must be listed to attract suite price) Where Metals are required, specify Total (unfiltered bottle required) or Dissolved (field filtered bottle required).								Additional Information
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	TYPE & PRESERVATIVE (refer to codes below)	TOTAL CONTAINERS	S-16								
1	FD 2	14/3/18	S	GLASS JAR	1	X								
2	FD4	14/3/18	S	GLASS JAR	1	X								
														Comments on likely contaminant levels, dilutions, or samples requiring specific QC analysis etc.
					TOTAL	2								

Environmental Division
Sydney
Work Order Reference
ES1808097

Telephone : +61-2-8784 8555

Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved; AP - Airfreight Unpreserved Plastic
V = VOA Vial HCl Preserved; VB = VOA Vial Sodium Bisulphate Preserved; VS = VOA Vial Sulfuric Preserved; AV = Airfreight Unpreserved Vial SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass;
Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag.

CHAIN OF CUSTODY

ALS Environmental

ALS Laboratory: please tick →

☐ADELAIDE 21 Burma Road Pooraka SA 5095 Ph: 08 8359 0890 E: adelaide@alsglobal.com

☐BRISBANE 32 Shand Street Stafford QLD 4053 Ph: 07 3243 7222 E: samples.brisbane@alsglobal.com

☐GLADSTONE 46 Callemondah Drive Clinton QLD 4680 Ph: 07 7471 5600 E: gladstone@alsglobal.com

☐MACKAY 78 Harbour Road Mackay QLD 4740 Ph: 07 4944 0177 E: mackay@alsglobal.com

☐MELBOURNE 2-4 Westall Road Springvale VIC 3171 Ph: 03 8549 9600 E: samples.melbourne@alsglobal.com

☐MUDGEE 27 Sydney Road Mudgee NSW 2850 Ph: 02 6372 6735 E: mudgee.mail@alsglobal.com

☐NEWCASTLE 5/585 Maitland Rd Mayfield West NSW 2304 Ph: 02 4014 2500 E: samples.newcastle@alsglobal.com

☐NOWRA 4/13 Geary Place North Nowra NSW 2541 Ph: 024423 2063 E: nowra@alsglobal.com

☐PERTH 10 Hod Way Malaga WA 6090 Ph: 08 9209 7655 E: samples.perth@alsglobal.com

☐SYDNEY 277-289 Woodpark Road Smithfield NSW 2164 Ph: 02 8784 8555 E: samples.sydney@alsglobal.com

☐TOWNSVILLE 14-15 Desma Court Bohle QLD 4818 Ph: 07 4796 0600 E: townsville.environmental@alsglobal.com

☐WOLLONGONG 99 Kenny Street Wollongong NSW 2500 Ph: 02 4225 3125 E: portkembla@alsglobal.com

CLIENT: Prensa	TURNAROUND REQUIREMENTS : ☒ Standard TAT (List due date):	FOR LABORATORY USE ONLY (Circle)	
OFFICE: 115 Military Road, Neutral Bay	(Standard TAT may be longer for some tests e.g. Ultra Trace Organics) ☐ Non Standard or urgent TAT (List due date):	Custody Seal Intact?	Yes No N/A
PROJECT: St Barts 57658	ALS QUOTE NO.: SYBQ-402-17 Prensa	Freezing Medium Ice bricks present upon receipt?	Yes No N/A
ORDER NUMBER:	COC SEQUENCE NUMBER (Circle) COC: 1 2 3 4 5 6 7	Random Sample Temperature on Receipt:	°C
PROJECT MANAGER: Darren Fernandez	CONTACT PH: 02 8968 2500 OF: 1 2 3 4 5 6 7	Other comments:	3.8
SAMPLER: Maddi Jones & Emma McAndrew	SAMPLER MOBILE: 0411168904		
COC emailed to ALS? (YES / NO)	EDD FORMAT (or default): Esdat		
Email Reports to (will default to PM if no other addresses are listed): maddi.jones@prensa.com.au; emma.mcandrew@prensa.com.au			
Email Invoice to (will default to PM if no other addresses are listed): maddi.jones@prensa.com.au; emma.mcandrew@prensa.com.au			

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Emma McAndrew	[illegible]		
DATE/TIME: 19/03/2018 2.50pm	DATE/TIME: 19/3/18 1710	DATE/TIME:	DATE/TIME:

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL:

ALS USE	SAMPLE DETAILS MATRIX: SOLID (S) WATER (W)			CONTAINER INFORMATION		ANALYSIS REQUIRED including SUITES (NB. Suite Codes must be listed to attract suite price) Where Metals are required, specify Total (unfiltered bottle required) or Dissolved (field filtered bottle required).								Additional Information
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	TYPE & PRESERVATIVE (refer to codes below)	TOTAL CONTAINERS	S-16								
1	FD6	19/03/2018	S	Glass jar - unpreserved	1	X								
2	FD8	19/03/2018	S	Glass jar - unpreserved	1	X								
3	FD10	19/03/2018	S	Glass jar - unpreserved	1	X								
				TOTAL										

Environmental Division Sydney
Work Order Reference
ES1808258

Telephone : + 61-2-8784 8555

Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved; AP - Airfreight Unpreserved Plastic
V = VOA Vial HCl Preserved; VB = VOA Vial Sodium Bisulphate Preserved; VS = VOA Vial Sulfuric Preserved; AV = Airfreight Unpreserved Vial SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass;
Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1808097**	Page	: 1 of 7
Client	: **PRENSA**	Laboratory	: Environmental Division Sydney
Contact	: MADDI JONES	Contact	: Customer Services ES
Address	: LEVEL 2 115 Military Road NEUTRAL BAY NSW, AUSTRALIA 2089	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: CONTAMINATION ASSESSMENT PROSEPCT	Date Samples Received	: 16-Mar-2018 12:35
Order number	: ----	Date Analysis Commenced	: 19-Mar-2018
C-O-C number	: ----	Issue Date	: 26-Mar-2018 13:53
Sampler	: MXJ		
Site	: ----		
Quote number	: SYBQ/402/17 - SYDNEY BQ		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW

General Comments

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Where moisture determination has been performed, results are reported on a dry weight basis.

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LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP068: Positive result has been confirmed by re-extraction and re-analysis.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Client sample ID	FD2	FD4	----	----	----
			Client sampling date / time	14-Mar-2018 00:00	14-Mar-2018 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES1808097-001	ES1808097-002	--------	--------	--------
				Result	Result	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**12.2**	**13.6**	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	**12**	**6**	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	<1	----	----	----
Chromium	7440-47-3	2	mg/kg	**21**	**31**	----	----	----
Copper	7440-50-8	5	mg/kg	**26**	**38**	----	----	----
Lead	7439-92-1	5	mg/kg	**36**	**47**	----	----	----
Nickel	7440-02-0	2	mg/kg	**12**	**10**	----	----	----
Zinc	7440-66-6	5	mg/kg	**100**	**47**	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	----	----	----
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	----	----	----
^ **Total Chlordane (sum)**	----	0.05	mg/kg	<0.05	<0.05	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	**0.38**	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	----	----	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg	<0.05	<0.05	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD2	FD4	----	----	----
				Client sampling date / time	14-Mar-2018 00:00	14-Mar-2018 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES1808097-001	ES1808097-002	--------	--------	--------
					Result	Result	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	<0.2	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	<0.05	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	<0.2	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg		<0.05	<0.05	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	**0.38**	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.05	mg/kg		<0.05	<0.05	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg		<0.05	<0.05	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg		<0.2	<0.2	----	----	----
Dimethoate	60-51-5	0.05	mg/kg		<0.05	<0.05	----	----	----
Diazinon	333-41-5	0.05	mg/kg		<0.05	<0.05	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg		<0.05	<0.05	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg		<0.2	<0.2	----	----	----
Malathion	121-75-5	0.05	mg/kg		<0.05	<0.05	----	----	----
Fenthion	55-38-9	0.05	mg/kg		<0.05	<0.05	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg		<0.05	<0.05	----	----	----
Parathion	56-38-2	0.2	mg/kg		<0.2	<0.2	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg		<0.05	<0.05	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	<0.05	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	<0.05	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	<0.05	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	<0.05	----	----	----
Ethion	563-12-2	0.05	mg/kg		<0.05	<0.05	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	<0.05	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	<0.05	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	<0.5	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	<0.5	----	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	<0.5	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	<0.5	----	----	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	<0.5	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg		<0.5	<0.5	----	----	----
Pyrene	129-00-0	0.5	mg/kg		<0.5	<0.5	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Client sample ID	FD2	FD4	----	----	----
			Client sampling date / time	14-Mar-2018 00:00	14-Mar-2018 00:00	----	----	----
Compound	CAS Number	LOR	Unit	ES1808097-001	ES1808097-002	--------	--------	--------
				Result	Result	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	----	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	----	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	----	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	**0.6**	**0.6**	----	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	**1.2**	**1.2**	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	----	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	<50	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	<100	----	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	<100	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	<50	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	----	----	----
>C10 - C16 Fraction	----	50	mg/kg	<50	<50	----	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	<100	----	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	<100	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	<50	<50	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	<50	----	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	----	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD2	FD4	----	----	----
				Client sampling date / time	14-Mar-2018 00:00	14-Mar-2018 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES1808097-001	ES1808097-002	--------	--------	--------
					Result	Result	----	----	----
EP080: BTEXN - Continued									
^ **Sum of BTEX**	----	0.2	mg/kg		<0.2	<0.2	----	----	----
^ **Total Xylenes**	----	0.5	mg/kg		<0.5	<0.5	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	----	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		**108**	**100**	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		**123**	**78.8**	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		**125**	**73.1**	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		**75.3**	**78.2**	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		**78.6**	**82.0**	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		**65.1**	**70.4**	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		**88.7**	**91.9**	----	----	----
Anthracene-d10	1719-06-8	0.5	%		**88.2**	**91.5**	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		**76.6**	**80.0**	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		**104**	**111**	----	----	----
Toluene-D8	2037-26-5	0.2	%		**93.9**	**111**	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%		**93.4**	**101**	----	----	----

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%) Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1808258**	Page	: 1 of 7
Client	: **PRENSA**	Laboratory	: Environmental Division Sydney
Contact	: MR DARREN FERNANDEZ	Contact	: Customer Services ES
Address	: LEVEL 2 115 Military Road NEUTRAL BAY NSW, AUSTRALIA 2089	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: +61 02 9033 8634	Telephone	: +61-2-8784 8555
Project	: ST BARTS 57658	Date Samples Received	: 19-Mar-2018 17:10
Order number	: ----	Date Analysis Commenced	: 21-Mar-2018
C-O-C number	: ----	Issue Date	: 27-Mar-2018 17:40
Sampler	: EMMA MCANDREW, MADDI JONES		
Site	: ----		
Quote number	: SYBQ/402/17 - SYDNEY BQ		
No. of samples received	: 3		
No. of samples analysed	: 3		

ilac-MRA NATA
Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

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- Analytical Results
- Surrogate Control Limits

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Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Alex Rossi	Organic Chemist	Sydney Organics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW

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ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

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Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD6	FD8	FD10	----	----
				Client sampling date / time	19-Mar-2018 00:00	19-Mar-2018 00:00	19-Mar-2018 00:00	----	----
Compound	CAS Number	LOR	Unit		ES1808258-001	ES1808258-002	ES1808258-003	--------	--------
					Result	Result	Result	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		**15.8**	**15.6**	**13.9**	----	----
EG005T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg		**14**	**13**	**13**	----	----
Cadmium	7440-43-9	1	mg/kg		<1	<1	<1	----	----
Chromium	7440-47-3	2	mg/kg		**26**	**37**	**36**	----	----
Copper	7440-50-8	5	mg/kg		**52**	**39**	**29**	----	----
Lead	7439-92-1	5	mg/kg		**46**	**43**	**48**	----	----
Nickel	7440-02-0	2	mg/kg		**9**	**11**	**8**	----	----
Zinc	7440-66-6	5	mg/kg		**39**	**51**	**42**	----	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg		<0.1	<0.1	<0.1	----	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg		<0.1	<0.1	<0.1	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
beta-BHC	319-85-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
gamma-BHC	58-89-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
delta-BHC	319-86-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Heptachlor	76-44-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Aldrin	309-00-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Dieldrin	60-57-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
4.4`-DDE	72-55-9	0.05	mg/kg		**0.14**	**0.07**	<0.05	----	----
Endrin	72-20-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
4.4`-DDD	72-54-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD6	FD8	FD10	----	----
				Client sampling date / time	19-Mar-2018 00:00	19-Mar-2018 00:00	19-Mar-2018 00:00	----	----
Compound	CAS Number	LOR	Unit		ES1808258-001	ES1808258-002	ES1808258-003	--------	--------
					Result	Result	Result	----	----
EP068A: Organochlorine Pesticides (OC) - Continued									
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg		**0.14**	**0.07**	<0.05	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Monocrotophos	6923-22-4	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
Dimethoate	60-51-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Diazinon	333-41-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Parathion-methyl	298-00-0	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
Malathion	121-75-5	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Fenthion	55-38-9	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Parathion	56-38-2	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Fenamiphos	22224-92-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Prothiofos	34643-46-4	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Ethion	563-12-2	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Carbophenothion	786-19-6	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg		<0.05	<0.05	<0.05	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg		<0.5	<0.5	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD6	FD8	FD10	----	----
				Client sampling date / time	19-Mar-2018 00:00	19-Mar-2018 00:00	19-Mar-2018 00:00	----	----
Compound	CAS Number	LOR	Unit		ES1808258-001	ES1808258-002	ES1808258-003	--------	--------
					Result	Result	Result	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Benz(a)anthracene	56-55-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg		**0.6**	**0.6**	**0.6**	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg		**1.2**	**1.2**	**1.2**	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	----	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	<50	<50	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	<50	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	<100	<100	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	<50	<50	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	<50	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	FD6	FD8	FD10	----	----
				Client sampling date / time	19-Mar-2018 00:00	19-Mar-2018 00:00	19-Mar-2018 00:00	----	----
Compound	CAS Number	LOR	Unit		ES1808258-001	ES1808258-002	ES1808258-003	--------	--------
					Result	Result	Result	----	----
EP080: BTEXN - Continued									
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	----	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	----	----
EP066S: PCB Surrogate									
Decachlorobiphenyl	2051-24-3	0.1	%		127	129	120	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.05	%		81.0	106	68.0	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.05	%		75.7	111	70.6	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		76.6	72.2	75.3	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		72.0	70.1	73.3	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%		62.8	61.2	59.2	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		86.3	78.5	84.4	----	----
Anthracene-d10	1719-06-8	0.5	%		94.4	85.3	91.5	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		96.9	100	92.7	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.2	%		102	98.5	95.7	----	----
Toluene-D8	2037-26-5	0.2	%		104	100	101	----	----
4-Bromofluorobenzene	460-00-4	0.2	%		97.4	92.8	93.1	----	----

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%) Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

Appendix F: Quality Assurance/Control

Quality Assurance and Quality Control

X1. Field QA/QC

Sampling Procedures

Fieldwork was undertaken by Prensa personnel in accordance with Prensa Work Instructions which are based on industry accepted standard practice and NEPM 2013.

Sampling, decontamination and storage works were conducted in accordance with the Prensa Environmental Work Instructions.

Calibration certificates for the PID are provided in **Appendix G**.

Phosphate-free detergent was used to clean sampling instruments between sample locations. The sampling instruments were rinsed in deionised water and then sprayed with deionised water to minimise the potential for cross-contamination to occur.

Soil samples were placed in laboratory supplied jars, bags and bottles with Teflon lined lids and preservatives, where required. The samples were stored in ice cooled eskies before being transported to the laboratory along with Chain of Custody documentation, which is included in **Appendix E**.

Quality Control Samples

Field Duplicate Samples

The purpose of duplicate samples were to estimate the variability of a given characteristic or contaminant associated with a population.

Field duplicate soil samples were collected from soil immediately adjacent to the primary sample by placing approximately equal portions of the primary sample into two (2) sample jars. Samples were labelled so as to conceal their relationship to the primary sample from the laboratory.

The blind and split duplicate samples analysed are outlined in Table F1.

Table F1: Field Blind and Split Duplicate Analysed

Medium	Primary Sample	Blind Replicate	Split Sample	Analysis
FILL	SP02-04	FD1	FD2	TRH, BTEX, PAH, metals
NAT	TP10_0.0-0.1	FD3	FD4	TRH, BTEX, PAH, metals
NAT	TP19_0.0-0.1	FD5	FD6	TRH, BTEX, PAH, metals
NAT	TP43_0.0-0.1	FD7	FD8	TRH, BTEX, PAH, metals
NAT	TP46_0.0-0.1	FD9	FD10	TRH, BTEX, PAH, metals

The quantity of duplicate samples analysed is in accordance with the frequency set in the DQI (Appendix A).

Relative percent differences (RPDs) were calculated for each of the duplicate samples analysed. RPDs were calculated by dividing the difference between the primary sample and duplicate sample by the average of the two, as shown below:

$$RPD = \frac{(X_1 - X_2)}{(X_1+X_2)/2} \times 100\%$$

Where: X_1 = Primary sample result; and

X_2 = Replicate sample result.

When calculating the RPDs, the following procedures were also considered:

- RPDs were only considered when a concentration was greater than the PQL; and
- In instances where results were greater than the PQL for the one (1) sample, but below PQL for the corresponding primary or duplicate sample, a result equal to the PQL value was adopted where necessary in order to make a calculation possible.

RPDs for duplicate samples were calculated and the results are attached in Table C in the 'Tables' section of this report. RPDs have also been summarised in Table F2 below.

Table F2: Field Blind and Split Duplicate RPD results

Medium	Primary Sample	Blind Replicate	Split Sample	Results
FILL	SP02-04	FD1	FD2	RPD results were within the acceptable ranges set out in the DQIs (Appendix A)
NAT	TP10_0.0-0.1	FD3	FD4	RPD results were within the acceptable ranges set out in the DQIs (Appendix A)
NAT	TP19_0.0-0.1	FD5	FD6	RPD results were within the acceptable ranges set out in the DQIs (Appendix A)
NAT	TP43_0.0-0.1	FD7	FD8	RPD results were within the acceptable ranges set out in the DQIs (Appendix A)
NAT	TP46_0.0-0.1	FD9	FD10	RPD results were within the acceptable ranges set out in the DQIs (Appendix A)

Based on the calculated RPDs the results were considered acceptable and the data was considered reliable.

Blank Samples

Trip blanks were collected and submitted for laboratory analysis as outlined in Table F3. The results for the blank samples are summarised in Table C in the 'Tables' section of this report and in the laboratory reports in **Appendix E**.

Trip blanks assess the potential for cross contamination during transits from the site to the laboratory. Samples were analysed for volatile compounds. The trip blank samples were prepared by the primary

laboratory, carried to the field unopened and subjected to the same preservation methods as the primary field samples.

Rinsate blanks consist of pre-preserved bottles filled with laboratory prepared water that is passed over decontaminated field equipment and then collected in containers used for the sampling process. Rinsate blanks were preserved in a similar manner to the original samples. The rinsate blank was a check on decontamination procedures.

No Rinsate Blanks were taken with sampling equipment not coming into direct contact with soils that were sampled. Additionally all gloves were changed between borehole locations and sample depths to ensure no cross contamination occurred.

A Field Blank was taken in the field to assess the contamination from field conditions. The field blank consists of a sample of analyte free water poured into a sample jar in the field, preserved and taken to the laboratory with the field samples. The Field blank was put on hold at the Laboratory.

Table F3: Blank Sample Analysis and Results

Type	Medium	Sample	Date	Analysis	Results
Trip Blank	Soil	TB_1	14/03/2018	TRH $C_6 - C_{10}$ and BTEX	Concentrations were less than the DQIs.
Trip Blank	Soil	TB_2	16/03/2018	TRH $C_6 - C_{10}$ and BTEX	Concentrations were less than the DQIs.
Trip Spike	Soil	TS_1	14/03/2018	TRH $C_6 - C_{10}$ and BTEX	Concentrations were less than the DQIs
Trip Spike	Soil	TS_2	16/03/2018	TRH $C_6 - C_{10}$ and BTEX	Concentrations were less than the DQIs

Based on the results, the quantity of blanks samples analysed conformed to the frequency set in the DQI (Appendix A).

Based on the results it can be considered that:

- Decontamination procedures were adequate and contaminants were unlikely to have been introduced by contact of the sampling equipment with the soil sampled; and
- Cross contamination from the atmosphere between transit of samples from the site to the laboratory was unlikely to have occurred.

X2. Laboratory Quality Assurance/Quality Control

The laboratories conducted their own internal quality program for assessment of the repeatability of the analytical procedures and instrument accuracy under their NATA accreditation. This included analysis of laboratory blank samples, duplicate samples, spike samples, control samples and surrogate spikes. The laboratory QA/QC procedures and results are described within the laboratory reports presented in **Appendix E**.

The laboratory internal QA/QC sample results were reviewed and were consistent with the laboratory's NATA guidelines. Furthermore, the adoption of the general advisory ranges for specific recoveries has been used to screen laboratory data. Where recoveries were outside these ranges the data was assessed in relation to specific laboratory comments, published industry 'norms' for specific parameters and/or the likely impact on the interpretation of the meaning of the results.

Based on the reported laboratory QA/QC samples and methods used, the results were considered to be acceptable.

X3. Quality Statement

The sampling methods (including sample preservation, transport and decontamination procedures) and laboratory methods followed during the assessment were consistent with Prensa Work Instructions and were found to meet the DQIs for this project. It was considered that the data was sufficiently collected and results can be relied upon for the purpose of this assessment.

Appendix G: Calibration Certificates

AES
ACTIVE ENVIRONMENTAL SOLUTIONS

Calibration and Service Report – PID

Company:	PRENSA (NSW)	**Manufacturer:**	RAE	**Serial #:**	595-000852
Contact:	Emma McAndrew	**Instrument:**	MINIRAE LITE SN: 595-000852	**Asset #:**	
Address:	Level 2 115 Military Road NEUTRAL BAY, NSW	**Model:**	MiniRAE Lite	**Part #:**	059-A126-100
		Configuration:		**Sold:**	22.03.2013
		Wireless:		**Last Cal:**	13.01.2018
Phone:	02 8968 2500	**Network ID:**		**Job #:**	48292
Fax:		**Unit ID:**		**Cal Spec:**	
Email:	emma.mcAndrew@prensa.com.	**Details:**		**Order #:**	TBA

Item	Test	Pass/Fail	Comments	Serial Number
Battery	NiCd, NiMH, Dry cell, LiIon	P		
Charger	Power Supply	-		
	Cradle, Travel Charger	-		
Pump	Flow	P	Flowrate > 500ml/min	
Filter	Filter, fitting, etc	X	Fitted new Filter	002-3022-001
Alarms	Audible, visual, vibration	P		
Display	Operation	P		
Switches	Operation	P		
PCB	Operation	P		
Connectors	Condition	P		
Firmware	Version	P		
Datalogger	Operation	P		
Monitor Housing	Condition	P		
Case	Condition / Type	P		
Sensors				
PID	Lamp	P		
PID	Sensor	P		
THP	Sensor	P		

Engineer's Report

Checked PC communication and configuration settings - okay
Checked pump flowrate and stall values - okay
Unit serviced and calibrated.

AES
ACTIVE ENVIRONMENTAL SOLUTIONS

Calibration Certificate

Sensor	Type	Serial No.	Span Gas	Concentration	Traceability Lot #	CF	Reading	
							Zero	Span
PID	10.6 eV Lamp	1062PA08015	Isobutylene	100 ppm	WO148384-1		0	100

Calibrated/Repaired by: AMEND ROSHAN KUMAR Date: 13.01.2018 Next Due: 13.07.2018

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