AITKEN ROWE TESTING LABORATORIES PTY LTD

DETAILED SITE INVESTIGATION

MUSCAT DEVELOPMENTS

375 McRAES ROAD, GOOLGOWI, NSW

GS17-052

REPORT DETAILS

Report Type: Detailed Site Investigation

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	Signed			

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1. Introduction

Aitken Rowe Testing Laboratories Pty Ltd (ARTL) was commissioned by Muscat Developments Pty Ltd to complete a Detailed Site Investigation (DSI) at 375 McRaes Road, Goolgowi, NSW (the Site).

It is understood that the DSI is required to form part of the Environmental Impact Assessment for the proposed intensive livestock (poultry farm) development at the site. A Preliminary Site Investigation (PSI) was carried out by EP Risk in February 2017[1] which identified previous site uses as potentially contaminating, specifically agricultural land use. The PSI identified several areas of the site requiring investigation to assess the nature and extent of contamination (if any) present at the site. An aerial photograph displaying the Site in relation to its immediate surrounds is displayed in Figure 1.

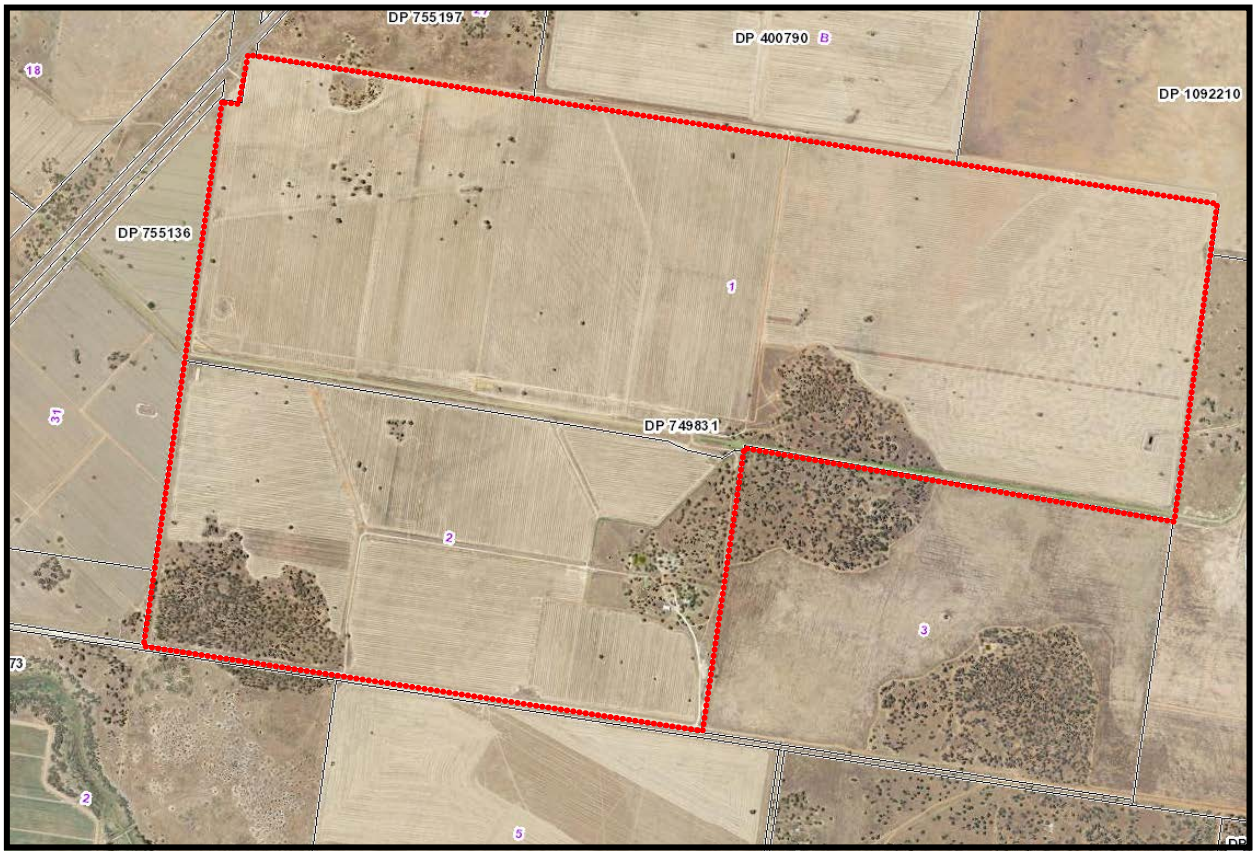


Figure 1: Aerial photograph of the Site (© Department of Lands 2017).

1. EP Risk: *Preliminary Site Investigation – Lots 1 and 2 in DP 749831, Mid-Western Highway, Goolgowi, February 2017*.

1.1 Objectives and Scope of Works

The objectives of the DSI were:

- to determine the potential for soil contamination originating from historical activities at the site and whether the site is suitable or can be made suitable for the proposed development.

The scope of works involved the following:

- intrusive soil investigation targeting various locations and analysis for potential Chemicals of Concern (CoC's);
- sediment collection and analysis for potential CoC's from water storage dam at the site;
- compiling results into this DSI report providing recommendations for further work or remedial works if required.

1.2 Standards

The DSI has been undertaken in accordance with the appropriate legislative environmental and human health requirements. The following guidelines, standards and publications will be adhered to for appropriate methodologies and technical requirements for the DSI:

- Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites, NSW EPA, 2011
- National Environment Protection (Assessment of Site Contamination) Measure, National Environment Protection Council, Amended 2013 (NEPC, 2013).
- Environmental Guidelines: Use and Disposal of Biosolids Products, NSW EPA, 2000
- Australian Standard AS 4482.1-2005 Guide to the sampling and investigation of sites with potentially contaminated soil, Part 1: Non-volatile and semi-volatile compounds,
- Australian Standard AS 4482.2-2005 Guide to the sampling and investigation of sites with potentially contaminated soil, Part 2: Volatile compounds.

The requirements are reflected in ARTL's work method procedures and quality management system.

2. Site Description

2.1 Current Land Use and Layout

As detailed by EP Risk (2017) the site comprises a large double lot with two residential dwellings and associated farming infrastructure. Infrastructure described by EP Risk (2017) and confirmed by ARTL detailed site inspection in May 2017 includes;

- Sheep Yards
- Machinery and shearing shed
- Main house with garage, septic tank and effluent disposal area
- Second house with septic tank and effluent disposal area
- Irrigation dam
- Chemical drum storage area
- Agricultural fields

It should be noted that stockpiles of anthropogenic waste identified by EP Risk (2017) were not located as part of ARTL investigative works.

Table 1 provides a summary of the Site identification.

Table 1. Site Identification Summary

Site Details	
Site Address	375 McRaes Road, Goolgowi, NSW
Title Identification	Lots 1 and 2 in DP 749831
Current Site Use	Agricultural (cropping/grazing)
Future Site Use	Agricultural (poultry farm)
Investigation Area	600 hectares (approximately)

2.2 Site History

Site history was developed by EP Risk (2017) by reviewing historical aerial photography, conducting interviews and site inspection.

- The site has been used for agriculture purposes for at least 60 years (since prior to 1958).
- The surrounding properties have also been used for agriculture for the same time frame.
- All chemicals are stored off site and brought to site when needed.
- Wheat and oats are currently grown on the property.
- Sheep and cattle are bought in periodically after harvest to clear remaining crops and aid in fertilising the soil for the next crop planting.
- All dead livestock are burnt on site and not buried.
- The previous owner of the site operated a cotton farm up until 2014.
- The site has also historically been used to farm sheep.

2.3 Contaminated Land Record

A search of the sites listed by the EPA under the Contaminated Land Management Act 1997 revealed that no records have been issued against the site (June 2017). There are no records of notifications or notices within the Carrathool Local Government Authority.

2.4 Site Geology

The topography of the wider area is generally flat. The 1:250 000 Geological Series Sheet for Griffith (SI 55-10) indicates the site is underlain by Quaternary aged sedimentation consisting of gentle undulating plains of red and brown clayey sand, loam, and lateritic soils. The borehole investigation revealed the site is generally underlain by topsoil to 0.1m overlying medium to high plasticity silty clays extending to the borehole termination depth of 1.0m.

2.5 Site Hydrology

EP Risk (2017) identified two groundwater bores at the site and one groundwater bore identified 1.8km to the south, all of which are used for monitoring purposes. The depth of the bores ranged from 10 to 25 meters below ground surface. No standing water levels were recorded.

2.6 Surrounding Land Use

The site is located on McRaes Road approximately 50km north west of Griffith and is surrounded by agricultural land. The Mid-western highway lies to the north west and Wah Wah Creek to south.

3. Findings of the Preliminary Site Investigation

The PSI undertaken by EP Risk (2017) identified potential for contamination at the site. The identified potential contaminating activities at the site are as follows:

- Agricultural land use including pesticide and herbicide use.
- Waste Stockpiling.
- Operation of on-site effluent disposal systems.
- Operation of a machinery shed.
- Hazardous materials in buildings.

3.1 Potential Contamination Types

Table 2 below provides details of the potential contamination types that were identified for the site in the PSI and have been targeted in this DSI. These are potential sources of contamination that may migrate to or be found on the site.

Table 2. Potential sources, locations and types of contaminants.

Source of Contamination	Location	Potential Contaminants
Agricultural Land Use – application of herbicides and pesticides	Entire Site	Heavy metals, (arsenic, cadmium, chromium, copper, lead, nickel, mercury and zinc), Organochlorine Pesticides (OCP's) and Organophosphate pesticides (OPP's)
Agricultural Land Use – insecticide and parasite spray to livestock	Sheep yards	Heavy metals, OCP's and OPP's
Operation of on-site effluent disposal systems	Residential dwellings	Faecal coliforms and E. coli
Operation of a machinery shed	Residential area	Total Recoverable Hydrocarbons (TRH), benzene, toluene, ethylbenzene & Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAH), Heavy metals, phenols, Volatile Organic Hydrocarbons, asbestos, OCP's and OPP's
Chemical Drum Stockpile	Residential Area	Heavy metals, OCP's and OPP's
Irrigation Dam	West of residential area	Heavy metals, OCP's and OPP's

4. Site Investigation

4.1 Sampling and Analysis Plan

A sampling and analysis plan was prepared prior to undertaking the investigation. The field sampling program was to provide information on the nature and extent of contamination (if any) present at the site. Sample location plans are attached in Appendix A and borehole logs with explanatory note in Appendix B. Co-ordinates (GPS) were recorded at each sample location and provided in Appendix C or incorporated with the borehole logs.

The site covers an area of approximately 600 hectares. If the site was assessed in accordance with the Australian Standard - AS 4482.1-2005 *Guide to the sampling and investigation of sites with potentially contaminated soil,* there would be a need for samples to be analysed from over 6000 locations. Due to the scale of the project and taking into consideration that activities across the majority of the site have been very similar in nature (ie cropping/cotton farming) a more cost effective method of investigation was deemed appropriate.

A total of 92 primary samples were taken during this investigation as follows:

- **Entire Site –** excavate 260 boreholes to 0.5m deep in a 100 x 200m grid across the site - 65 composite samples (4 x sub samples per composite).
- **Sheep Yards x 2 -** excavate 8 boreholes per yard to 0.5m deep – 2 composite samples per yard.
- **Treated Effluent Disposal Areas x 2 –** excavate 1 borehole to 1.0m deep per area – 2 discrete samples per borehole (0-0.5m and 0.5-1.0m).
- **Machinery Shed –** excavate 8 boreholes to 1.0m deep around the permitter – 2 discrete samples per borehole (0-0.5m and 0.5-1.0m).
- **Waste Stockpile –** the waste stockpiles identified by EP Risk (2017) had been removed prior to this investigation. The stockpile of empty chemical drums was targeted. Excavate 4 boreholes to 0.5m deep – 1 composite sample.
- **Irrigation dam –** excavate 4 boreholes to 0.5m deep within the inside bank sediment – 1 composite sample.

The sampling locations were based on the areas of concern defined in the PSI investigation (EP Risk 2017) and the detailed site inspection completed by ARTL. A summary of sampling locations is presented in Table 3.

Table 3. Sample density summary

Area of Concern	Number of sampling points	Number of samples analysed	Method
Entire Site	260	65	Borehole – composite samples
Sheep yards	8	2	Borehole – composite samples
Residential dwellings	2	4	Borehole – discrete samples
Machinery Shed	8	16	Borehole – discrete samples
Used chemical drum stockpile	4	1	Borehole – composite sample
Irrigation dam	4	1	Borehole – composite sample

4.2 Soil Investigation Levels

Analysis criteria will be based upon the following:

Health Investigation Levels (HIL), Health Screening Levels (HSL), Ecological Investigation Levels (EIL) and Ecological Screening Levels (ESL) and management limits are presented in the National Environment Protection Council's (NEPC) National Environment Protection Measure (NEPM amended 2013).

NEPM (2013) present HIL's, HSL's, ESL's, EIL's and management limits for different land uses including Industrial/commercial, residential with minimal access to soil, residential with accessible soil, recreational etc.

The underlying soil materials were classified fine grained (clay). Fine grained soil materials have therefore been adopted.

Given the site is mixed use the more limiting HIL Residential A (HIL-A) will be adopted for respective contaminants of concern. The proposed relevant soil validation criteria are summarised in Table 4 and Table 5.

The guidelines for assessing the treated effluent disposal areas have been developed from Environmental Guidelines: *Use and Disposal of of Biosolids Products,* NSW EPA (2000). A minimum quality grade (stabilisation grade A) for unrestricted use has been adopted for microbes (Table 6)

Table 4. Soil Health Screening Levels for vapour intrusion (*NL – not limiting)*

Analyte	***Health Screening Levels (mg/kg)*** ***HSL-D - CLAY***			
	0 to <1.0m	1m to <2m	2m to <4m	≥4m
F1: TRH C_6-C_{10} less BTEX	310	480	NL	NL
F2: TRH >C_{10}-C_{16} less napthalene	NL	NL	NL	NL
Benzene	4	6	9	20
Ethylbenzene	NL	NL	NL	NL
Xylenes	NL	NL	NL	NL
Napthalene	NL	NL	NL	NL

Table 5. Soil Health Investigation Levels, Ecological Investigation Levels, Ecological Screening Levels and Management Limits (* – *no criteria available)*

Analyte	***HIL's (mg/kg)***	***EIL's (mg/kg)***	***ESL's (mg/kg)***	***Management Limits (mg/kg)***
	Residential A			
F1: TRH C_6-C_{10} less BTEX	*	*	125	*
F2: TRH >C_{10}-C_{16} less napthalene	*	*	25	*
TRH C_6-C_{10}	*	*	*	800
TRH >C_{10}-C_{16}	*	*	*	1000
TRH >C_{16}-C_{34}	*	*	1300	5000
TRH >C_{34}-C_{40}	*	*	5600	10000
Benzene	*	*	10	*
Toluene	*	*	65	*
Ethylbenzene	*	*	40	*
Xylene	*	*	1.6	*
Napthalene	*	370	*	*
Total PAH's	300	*	*	*
DDt+DDE+DDD	240	*	*	*
Aldrin and dieldrin	6	*	*	*
Endosulfan	270	*	*	*
Endrin	10	*	*	*
Heptachlor	6	*	*	*
Methoxychlor	300	*	*	*
Chlorpyrifos	160	*	*	*
PCB's	1	*	*	*
Arsenic	100	*	*	*
Cadmium	20	*	*	*
Chromium	100	*	*	*
Copper	6000	*	*	*
Lead	300	*	*	*
Mercury	40	*	*	*
Nickel	400	*	*	*
Zinc	7400	*	*	*
Asbestos*	*	*	*	Nil

**A nil detection limit for asbestos has been adopted for this investigation.*

Table 6. Microbial Standards for Stabilisation Grade A.

Analyte	***Standard Stabilisation Grade A***
E. Coli	<100 Most Probable Number (MPN)/g
Faecal Coliforms	<1000 MPN/g

4.3 Ground Water Investigation Levels

Investigation of groundwater was not considered necessary to form part of the DSI works. It is proposed that the need for groundwater analysis through the installation of monitoring piezometers will be assessed following the results of the soil sample and analysis regime.

4.4 Data quality Indicators

In order to ensure the quality and quantity of both field and laboratory data being used in the decision making process, QA/QC objectives will be used for the project. In addition a number of Data Quality Indicators (DQI) will be followed as presented in table 7.

Table 7: QA/QC Data quality indicators

QA/QC Objective	*Data Quality Indicator (DQI)*
Suitable environmental consultant	The environmental consultant should be experienced in contaminated site investigations and maintain compliance with NSW EPA Contaminated Sites Guidelines series
Suitable field personnel	All ARTL personnel conducting sampling will be trained in the requirements detailed in this DSI. All ARTL field personnel will have relevant qualifications (tertiary) and will be required to demonstrate competence in ARTL procedures for validating sampling.
Adequate sampling density	Soil samples to be collected using targeted and grid based survey within the site area. Samples will be collected at both the surface and at depth.
Standardised sample nomenclature	All samples will be labelled with a unique identifier that can be related to survey sample location and depth using borehole logs. Each sample location co-ordinate to be recorded.
Decontamination of field equipment	Nitrile gloves will be worn and any equipment to be reused will be decontaminated between sample locations using an appropriate cleaning agent (eg Decon 90).
Transportation	Chain of Custody (CoC) will be used to ensure the integrity of the samples from collection to receipt by the analytical laboratory within acceptable holding times.
NATA accredited laboratory analysis	All samples will be forwarded to laboratories holding NATA accreditation for the required analysis. The laboratories will be EnviroLab P/L Sydney NSW (primary) and Environmental and Analytical Laboratories, Wagga Wagga NSW (secondary).
Collection of adequate QA/QC samples	Blind duplicate samples (intra-lab) will be collected at a rate of one in every twenty (1:20) primary soil samples and submitted to the secondary laboratory for analysis of metals, TPH, BTEX and Metals. Blind triplicate samples (inter-lab) will be collected at a rate of one in every twenty (1:20) primary soil samples and submitted to the primary laboratory for analysis of metals, TPH, BTEX and Metals. Transport blank samples (if required) will be collected for each cooler and submitted to the primary laboratory for analysis of metals, TPH, BTEX and Metals Field blank samples (if required) will be collected for each day in the field and submitted to the primary laboratory for analysis of metals, TPH, BTEX and Metals Field and laboratory acceptable limits are between 30-50% relative percentage difference. Non-compliance is to be documented in the report and the sample re-analysed or higher level to be adopted.
Reporting	DSI report to comply with NSW EPA contaminated sites guideline series.

5. Field Program

Overview of Activities

- ARTL representative conducted detailed site inspection on 2nd May 2017.
- Field work commenced 26th May 2017 and continued until 31st May 2017 with the use of a trailer mounted drill rig and hand auger. The field work included logging (boreholes to 1.0m) and sampling 286 boreholes across the site.
- All boreholes were drilled to depths ranging between 0.3 and 1.0m. All boreholes co-ordinates were recorded using hand held GPS equipment.
- Appropriate Safe Work Method Statements (SWMS) were prepared by ARTL prior to site works. The SWMS was reviewed on a daily basis by the ARTL site supervisor to ensure all potential risks and hazards were identified. A field work book was filled in daily by ARTL personnel throughout the site works.

Entire Site

The investigation of the entire site was carried out from the 26th to 30th May 2017 and involved excavation of 260 boreholes to 0.5m deep (maximum) and the collection of 65 (C1 to C65) composite samples (4 sub samples per composite). Stubble from the previous crop was noted at the time of the investigation.

Sheep Yards

The sheep yards were sampled on the 31st May 2017 and involved the excavation of 8 boreholes per yard to 0.5m deep (maximum) and the collection of 4 (C67 to C70) composite samples (4 sub samples per composite). The sheep yards appeared to have not been used in some time and in fair condition. A thick ground cover of grasses/weeds was noted.

Treated Effluent Disposal Areas

Two residential dwellings exist at the site and both have onsite effluent treatment systems and disposal areas. One borehole to 1.0m was excavated at each disposal area site on the 31st May 2017. Two discrete samples per borehole (4 total) were taken at depths from surface to 0.5m and 0.5 to 1.0m. It is noted the main residence only is currently being lived in. No ponding of treated effluent was noted.

Machinery Shed

The machinery shed located to the south west of the residential dwelling was investigated on the 31st May 2017. The shed consists of a steel frame with corrugated iron cladding. The floor was noted to be concrete and in good condition. The perimeter of the shed (particularly the eastern open end) was targeted by excavating 8 boreholes to 1.0m. Two discrete samples per borehole (16 total) were taken for analysis.

Used Chemical Drum Storage

EP Risk (2017) identified stockpiles of waste at various locations during their detailed site inspection. None of these stockpiles were located during the DSI works. It is understood that these were removed and disposed prior to this investigation. Details of the waste removal process were not made available for this investigation. An empty chemical drum storage area was located adjacent to the animal pens to the north of the second residential dwelling. This area was targeted by excavating 4 boreholes to 0.5m deep (maximum) and the collection 1 composite sample (4 sub samples per composite).

Irrigation Dam

The sediment within the inside banks of the irrigation dam was targeted by excavating 4 boreholes to 0.5m deep (maximum) and the collection 1 composite sample (4 sub samples per composite).

6. Results

The field investigation was completed between the 26th and the 31st May 2017. A total of 286 boreholes were excavated across the site in targeted and grid based locations. No obvious signs (visual/olfactory) of contamination were noted in the underlying materials during field work activities. The borehole investigation revealed the site is generally underlain by topsoil overlying natural alluvial deposits comprising medium to high plasticity silty clays extending to the borehole termination depth of between 0.3m & 1.0m. A borehole/sample location plan is attached in Appendix A and borehole logs with explanatory note in Appendix B.

A total of 88 primary samples were sent for various analysis by EnviroLab P/L, a NATA accredited laboratory in Sydney. The laboratory test reports are attached in Appendix D. The following sections provide a summary of the results.

6.1 Soil Investigation Results

Entire Site

A total of 65 composite samples from 260 boreholes were used to assess the contamination status of the underlying materials of the site. All results for contaminants were found below the adopted criteria for all analytes tested. The results have been summarised in Table 8 below.

Table 8: Results summary for entire site

	Number of Samples (Composite)	*Analyte*	*Adopted Criteria (mg/kg)*	*Minimum Concentration (mg/kg)*	*Maximum Concentration (mg/kg)*	*Samples Exceeding Adopted Criteria*
Entire Site – 260 Sample Points (Samples C1 – C65)	65	DDt+DDE+DDD	240	<0.1	<0.1	Nil
	65	Aldrin and dieldrin	6	<0.1	<0.1	Nil
	65	Endosulfan	270	<0.1	<0.1	Nil
	65	Endrin	10	<0.1	<0.1	Nil
	65	Heptachlor	6	<0.1	<0.1	Nil
	65	Methoxychlor	300	<0.1	<0.1	Nil
	65	Chlorpyrifos	160	<0.1	<0.1	Nil
	65	Arsenic	100	<4	6	Nil
	65	Cadmium	20	<0.4	<0.4	Nil
	65	Chromium	100	19	37	Nil
	65	Copper	6000	8	20	Nil
	65	Lead	300	6	13	Nil
	65	Mercury	40	<0.1	<0.1	Nil
	65	Nickel	400	9	24	Nil
	65	Zinc	7400	15	38	Nil

Sheep Yards

A total of 4 composite samples from 16 boreholes were used to assess the contamination status of the underlying materials of the sheep yards. All results for contaminants were found below the adopted criteria for all analytes tested. The results have been summarised in Table 8 below.

Table 9: Results summary for sheep yards

	Number of Samples (Composite)	*Analyte*	*Adopted Criteria (mg/kg)*	*Minimum Concentration (mg/kg)*	*Maximum Concentration (mg/kg)*	*Samples Exceeding Adopted Criteria*
Sheep Yards – 16 Sample Points (Samples C67 – C70)	4	DDt+DDE+DDD	240	<0.1	<0.1	Nil
	4	Aldrin and dieldrin	6	<0.1	<0.1	Nil
	4	Endosulfan	270	<0.1	<0.1	Nil
	4	Endrin	10	<0.1	<0.1	Nil
	4	Heptachlor	6	<0.1	<0.1	Nil
	4	Methoxychlor	300	<0.1	<0.1	Nil
	4	Chlorpyrifos	160	<0.1	<0.1	Nil
	4	Arsenic	100	<4	<4	Nil
	4	Cadmium	20	<0.4	<0.4	Nil
	4	Chromium	100	17	20	Nil
	4	Copper	6000	8	8	Nil
	4	Lead	300	6	6	Nil
	4	Mercury	40	<0.1	<0.1	Nil
	4	Nickel	400	7	7	Nil
	4	Zinc	7400	16	20	Nil

Treated Effluent Disposal Areas

A total of 4 discrete samples from 2 boreholes (BH9 & BH10 - 1 borehole per disposal area) were used to assess the contamination status of the underlying materials of the disposal areas. The results show Faecal Coliforms above the adopted criteria in the shallow sample taken from the main residence. The remaining 3 samples were below the adopted criteria for E. Coli and Faecal Coliforms. It should be noted that the second residence had no occupants at the time of this investigation. The results have been summarised in Table 10 below.

Table 10: Results summary for the treated effluent disposal areas

	Number of Samples (Discrete)	*Analyte*	*Adopted Criteria (MPN/g)*	*Minimum Concentration (MPN/g)*	*Maximum Concentration (MPN/g)*	*Samples Exceeding Adopted Criteria*
Treated Effluent Disposal Areas – 2 Sample Points (Samples C88 – C91)	4	E. Coli	<100	<2	<2	Nil
	4	Faecal Coliforms	<1000	3	**1900**	**Sample C88 taken from BH9 (0-0.5m)**

Machinery Shed

A total of 16 discrete samples from 8 boreholes (BH1 to BH8) were used to assess the contamination status of the underlying materials of the machinery shed. All results for contaminants were found below the adopted criteria for all analytes tested. The results have been summarised in Table 11 below.

Table 11: Results summary for the machinery shed

	Number of Samples (Discrete)	*Analyte*	*Adopted Criteria (mg/kg)*	*Minimum Concentration (mg/kg)*	*Maximum Concentration (mg/kg)*	*Samples Exceeding Adopted Criteria*
Machinery Shed – 8 Sample Points (Samples C72 – C87)	16	F1: TRH C_6-C_{10} less BTEX	125	<25	<25	Nil
	16	F2: TRH >C_{10}-C_{16} less napthalene	25	<50	<50	Nil
	16	TRH C_6-C_{10}	800	<25	<25	Nil
	16	TRH >C_{10}-C_{16}	1000	<50	<50	Nil
	16	TRH >C_{16}-C_{34}	1300	<100	<100	Nil
	16	TRH >C_{34}-C_{40}	5600	<100	<100	Nil
	16	Benzene	10	<0.2	<0.2	Nil
	16	Toluene	65	<0.5	<0.5	Nil
	16	Ethylbenzene	40	<1	<1	Nil
	16	Xylene	1.6	<1	<1	Nil
	16	Napthalene	370	<1	<1	Nil
	16	PAH's	300	<0.05	<0.05	Nil
	16	DDt+DDE+DDD	240	<0.1	<0.1	Nil
	16	Aldrin and dieldrin	6	<0.1	<0.1	Nil
	16	Endosulfan	270	<0.1	<0.1	Nil
	16	Endrin	10	<0.1	<0.1	Nil
	16	Heptachlor	6	<0.1	<0.1	Nil
	16	Methoxychlor	300	<0.1	<0.1	Nil
	16	Chlorpyrifos	160	<0.1	<0.1	Nil
	16	PCB's	1	<0.1	<0.1	Nil
	16	Arsenic	100	<4	<4	Nil
	16	Cadmium	20	<0.4	<0.4	Nil
	16	Chromium	100	27	36	Nil
	16	Copper	6000	12	21	Nil
	16	Lead	300	8	10	Nil
	16	Mercury	40	<0.1	<0.1	Nil
	16	Nickel	400	13	31	Nil
	16	Zinc	7400	22	44	Nil
	16	Asbestos	Nil Detection	Nil	Nil	Nil

Used Chemical Drum Storage

A total of 1 composite sample from 4 boreholes were used to assess the contamination status of the underlying materials of the machinery shed. All results for contaminants were found below the adopted criteria for all analytes tested. The results have been summarised in Table 12 below.

Table 12: Results summary for the used chemical drum storage

	Number of Samples (Composite)	Analyte	Adopted Criteria (mg/kg)	Result (mg/kg)	Exceeding Adopted Criteria
Used Chemical Drum Storage – 4 Sample Points (Sample C71)	1	DDt+DDE+DDD	240	<0.1	Nil
	1	Aldrin and dieldrin	6	<0.1	Nil
	1	Endosulfan	270	<0.1	Nil
	1	Endrin	10	<0.1	Nil
	1	Heptachlor	6	<0.1	Nil
	1	Methoxychlor	300	<0.1	Nil
	1	Chlorpyrifos	160	<0.1	Nil
	1	Arsenic	100	<4	Nil
	1	Cadmium	20	<0.4	Nil
	1	Chromium	100	23	Nil
	1	Copper	6000	13	Nil
	1	Lead	300	14	Nil
	1	Mercury	40	<0.1	Nil
	1	Nickel	400	12	Nil
	1	Zinc	7400	49	Nil

Irrigation Dam

A total of 1 composite sample from 4 boreholes were used to assess the contamination status of the sediment within the inside bank of the irrigation dam. All results for contaminants were found below the adopted criteria for all analytes tested. The results have been summarised in Table 13 below.

Table 13: Results summary for the irrigation dam

	Number of Samples (Composite)	*Analyte*	*Adopted Criteria (mg/kg)*	*Result (mg/kg)*	*Exceeding Adopted Criteria*
Irrigation Dam – 4 Sample Points (Sample C66)	1	DDt+DDE+DDD	240	<0.1	Nil
	1	Aldrin and dieldrin	6	<0.1	Nil
	1	Endosulfan	270	<0.1	Nil
	1	Endrin	10	<0.1	Nil
	1	Heptachlor	6	<0.1	Nil
	1	Methoxychlor	300	<0.1	Nil
	1	Chlorpyrifos	160	<0.1	Nil
	1	Arsenic	100	<4	Nil
	1	Cadmium	20	<0.4	Nil
	1	Chromium	100	26	Nil
	1	Copper	6000	14	Nil
	1	Lead	300	9	Nil
	1	Mercury	40	<0.1	Nil
	1	Nickel	400	17	Nil
	1	Zinc	7400	29	Nil

6.2 Quality Control

Five blind duplicate samples (intra-lab) were taken to satisfy the rate of 1 in every 20. These 5 blind duplicates were submitted to the secondary laboratory (EAL) to compare the results with the primary laboratory (EnviroLab). The acceptable limits for compliance are between 30-50% relative percentage difference and the results are summarised in Table 14 below. Two samples (C1/QC01B & C21/QC02B) were found outside the threshold limits for Zinc. Given the low concentrations of this analyte it is assessed this is due to variances in background levels of zinc and therefore no further analysis is required.

Table 14: Intra-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C1 QC01B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	4	**Y**
	Cadmium	20	<0.4	<0.2	**Y**
	Chromium	100	25	28.7	**Y**
	Copper	6000	12	13.2	**Y**
	Lead	300	9	8	**Y**
	Mercury	40	<0.1	<3	**Y**
	Nickel	400	16	18	**Y**
	Zinc	7400	15	29.6	**N**
C21 QC02B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	5	**Y**
	Cadmium	20	<0.4	<0.2	**Y**
	Chromium	100	24	32.6	**Y**
	Copper	6000	11	17.1	**Y**
	Lead	300	9	9	**Y**
	Mercury	40	<0.1	<3	**Y**
	Nickel	400	18	23	**Y**
	Zinc	7400	24	37.8	**N**

Table 14 (Cont.): Intra-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C41 QC03B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	6	4	**Y**
	Cadmium	20	<0.4	<0.2	**Y**
	Chromium	100	24	23.2	**Y**
	Copper	6000	10	10.8	**Y**
	Lead	300	7	5	**Y**
	Mercury	40	<0.1	<3	**Y**
	Nickel	400	14	12	**Y**
	Zinc	7400	26	23.6	**Y**
C61 QC04B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	6	**Y**
	Cadmium	20	<0.4	<0.2	**Y**
	Chromium	100	25	26.8	**Y**
	Copper	6000	16	16.6	**Y**
	Lead	300	8	6	**Y**
	Mercury	40	<0.1	<3	**Y**
	Nickel	400	18	18	**Y**
	Zinc	7400	33	31.8	**Y**

Table 14 (Cont.): Intra-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C69 QC05B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	2	**Y**
	Cadmium	20	<0.4	<0.2	**Y**
	Chromium	100	20	17.8	**Y**
	Copper	6000	8	7.5	**Y**
	Lead	300	6	5	**Y**
	Mercury	40	<0.1	<3	**Y**
	Nickel	400	7	6	**Y**
	Zinc	7400	19	15.7	**Y**

Six blind triplicate samples (inter-lab) were taken to satisfy the rate of 1 in every 20. These 5 blind triplicates were submitted to the primary laboratory (EnviroLab) for comparative purposes. The acceptable limits for compliance are between 30-50% relative percentage difference and the results are summarised in Table 15 below. No samples were found outside the threshold limits.

Table 15: Inter-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C1 QC01A	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	<4	**Y**
	Cadmium	20	<0.4	<0.4	**Y**
	Chromium	100	25	29	**Y**
	Copper	6000	12	13	**Y**
	Lead	300	9	10	**Y**
	Mercury	40	<0.1	<0.1	**Y**
	Nickel	400	16	18	**Y**
	Zinc	7400	15	29	**Y**
C21 QC02A	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	<4	**Y**
	Cadmium	20	<0.4	<0.4	**Y**
	Chromium	100	24	34	**Y**
	Copper	6000	11	14	**Y**
	Lead	300	9	10	**Y**
	Mercury	40	<0.1	<0.1	**Y**
	Nickel	400	18	21	**Y**
	Zinc	7400	24	32	**N**

Table 15 (Cont.): Inter-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C41 QC03A	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	6	5	**Y**
	Cadmium	20	<0.4	<0.4	**Y**
	Chromium	100	24	27	**Y**
	Copper	6000	10	12	**Y**
	Lead	300	7	8	**Y**
	Mercury	40	<0.1	<0.1	**Y**
	Nickel	400	14	15	**Y**
	Zinc	7400	26	27	**Y**
C61 QC04A	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	<4	**Y**
	Cadmium	20	<0.4	<0.4	**Y**
	Chromium	100	25	33	**Y**
	Copper	6000	16	20	**Y**
	Lead	300	8	9	**Y**
	Mercury	40	<0.1	<0.1	**Y**
	Nickel	400	18	23	**Y**
	Zinc	7400	33	37	**Y**

Table 15 (Cont.): Inter-lab compliance summary

Sample ID	Analyte	*Adopted Criteria (mg/kg)*	Result (mg/kg) EnviroLab	Result (mg/kg) EAL	Comply Y/N
C69 QC05B	DDt+DDE+DDD	240	<0.1	<0.05	**Y**
	Aldrin and dieldrin	6	<0.1	<0.05	**Y**
	Endosulfan	270	<0.1	<0.05	**Y**
	Endrin	10	<0.1	<0.05	**Y**
	Heptachlor	6	<0.1	<0.05	**Y**
	Methoxychlor	300	<0.1	<0.05	**Y**
	Arsenic	100	<4	<4	**Y**
	Cadmium	20	<0.4	<0.4	**Y**
	Chromium	100	20	22	**Y**
	Copper	6000	8	10	**Y**
	Lead	300	6	6	**Y**
	Mercury	40	<0.1	<0.1	**Y**
	Nickel	400	7	10	**Y**
	Zinc	7400	19	21	**Y**

7. Discussion

Based on the data and evidence collected in the course of the previous investigation review, site inspection and soil/sediment sampling and analysis the findings of the DSI are as follows:

- The site has been used for agriculture purposes for at least 60 years (since prior to 1958).
- The surrounding properties have also been used for agriculture for the same time frame.
- All chemicals are stored off site and brought to site when needed.
- Wheat and oats are currently grown on the property.
- Sheep and cattle are bought in periodically after harvest to clear remaining crops and aid in fertilising the soil for the next crop planting.
- All dead livestock are burnt on site and not buried.
- The previous owner of the site operated a cotton farm up until 2014.
- The site has also historically been used to farm sheep

The identified potential contaminating activities at the site are as follows:

- Agricultural land use including pesticide and herbicide use.
- Waste Stockpiling.
- Operation of on-site effluent disposal systems.
- Operation of a machinery shed.

A total of 92 samples were taken for various analyses from 282 sample points. Discrete and composite samples were used. Given the site is mixed use – agriculture with residential dwellings the more limiting land use guideline was adopted for the assessment criteria. One sample only was found to be above the adopted criteria (sample C88) for Faecal Coliforms. This sample was taken from the surface (0-0.5m) in the treated effluent disposal area servicing the main residence. It should be noted the secondary residence had no occupants at the time of this investigation. All other samples were found to be below the adopted criteria.

The site is therefore considered suitable for proposed agricultural use (poultry) provided consideration is given to the recommendations in Section 8.

8. Recommendations

The following is recommended:

- Engage suitably qualified personnel to perform servicing of the effluent treatment (septic) systems at the residences to ensure they are performing adequately. Complete future regular monitoring of the treated effluent disposal areas.

- Suitably qualified personnel should complete a hazardous materials survey of any structures prior to any demolition works.

- Any excavated material to be exported off site should be classified in accordance with the classified in accordance with the Excavated Natural Material Order (2014) and if required the Waste Classification Guidelines Part 1: Classifying Waste (2014).

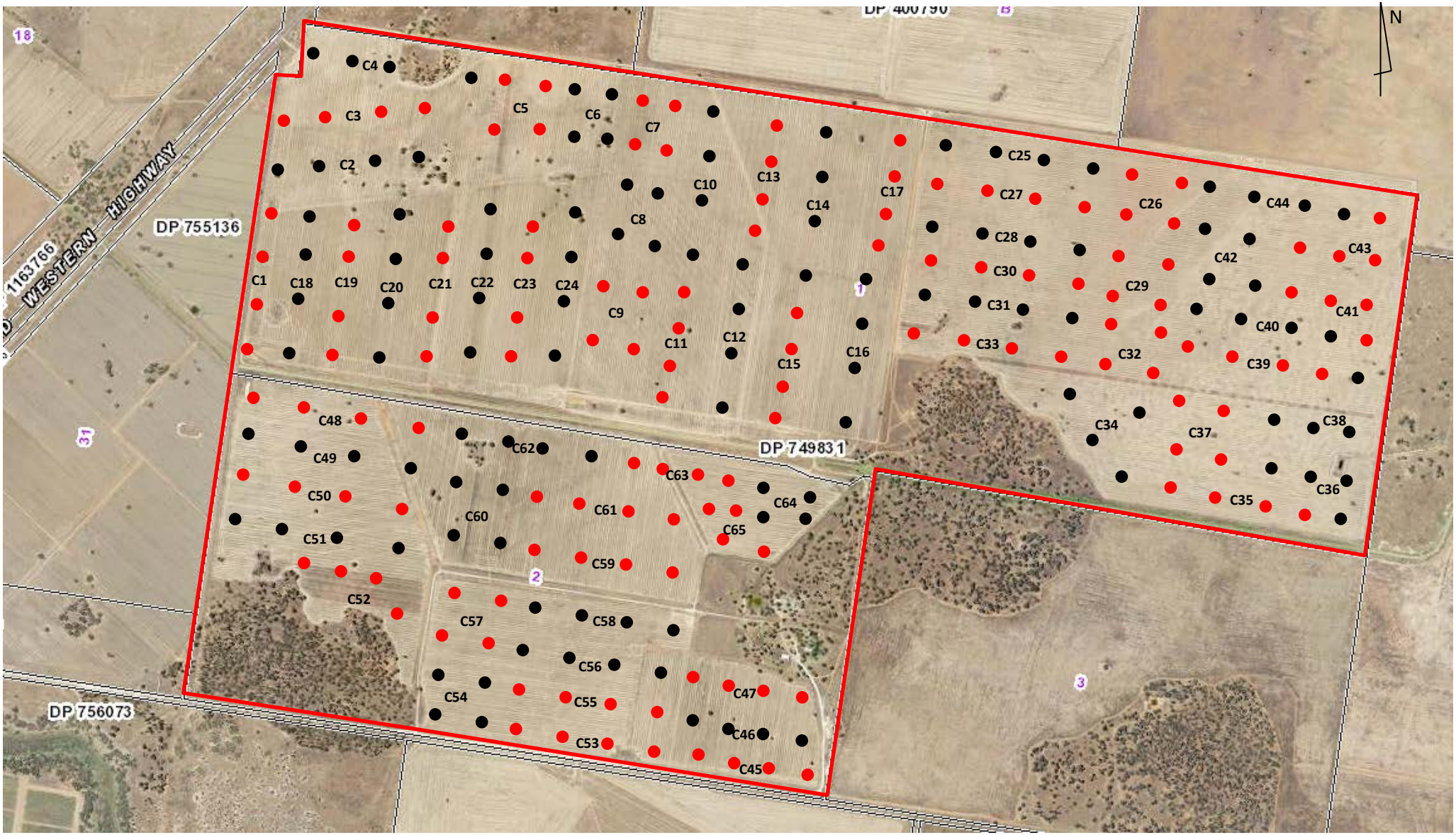
9. LIMITS OF INVESTIGATION

The recommendations made in this report are based on the assumption that the test results are representative of the overall subsurface conditions. However, it should be noted that even under optimum circumstances, actual conditions in some parts of the site may differ from those said to exist, because no environmental consultant, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal all that is hidden by earth, rock and time. The client should also be aware that our recommendations refer only to our test site locations and the ground level at the time of testing.

The recommendations in this report are based on the following:-

a) The information gained from this investigation
b) The results received from a NATA accredited environmental laboratory
c) Historical information
d) Information supplied by the client

Appendix A
Borehole/Sample Location Plan



Aitken Rowe Testing Laboratories Pty Ltd

Registration Number: GS17-052

Client: MUSCAT DEVELOPMENTS

Project: DSI – 375 McRAES ROAD, GOOLGOWI
SAMPLE LOCATION PLAN

Aitken Rowe Testing Laboratories Pty Ltd

Registration Number: GS17-052

Client: MUSCAT DEVELOPMENTS

Project: DSI – 375 McRAES ROAD, GOOLGOWI
SAMPLE LOCATION PLAN

Appendix B
Borehole Logs with Explanatory Note

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **1**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232473
E: 0367559

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown			St.-VSt.	D	C72		4% <OMC
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	0.5	MC<PL	VSt.	D	C73		
		1.0						
	End of Borehole (BH1) @ 1.0m	1.5						
		2.0						
		2.5						
		3.0						
		3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **2**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232469
E: 037575

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown	**0.5**		St.-VSt.	D	C74		
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	**1.0**	MC<PL	VSt.	D	C75		
	End of Borehole (BH2) @ 1.0m	**1.5** **2.0** **2.5** **3.0** **3.5**						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **3**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232471
E: 0367585

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown			St.-VSt.	D	C76		3% <OMC
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	0.5	MC<PL	VSt.				
		1.0			D	C77		
	End of Borehole (BH3) @ 1.0m	1.5						
		2.0						
		2.5						
		3.0						
		3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **4**

Sheet No.: 1 of 1

Ground Level: Existing

Method: Auger drilling with TC Bit

Date: 31/05/2017

GPS N: 6232478

E: 0367586

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
	FILL: Sandy GRAVEL; fine to coarse grained, fine to medium sand, fines of low plasticity, brown		D	MD				FILL; Appears poorly to moderately compacted 'Uncontrolled'
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown	**0.5**	MC>PL	St.-VSt.	D	C78		NATURAL 4-5% <OMC
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	**1.0**	MC<PL	VSt.	D	C79		
	End of Borehole (BH4) @ 1.0m	**1.5** **2.0** **2.5** **3.0** **3.5**						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **5**

Sheet No.: 1 of 1

Ground Level: Existing

Method: Auger drilling with TC Bit

Date: 31/05/2017

GPS N: 6232484

E: 0367587

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
	FILL: Sandy GRAVEL; fine to coarse grained, fine to medium sand, fines of low plasticity, brown		D	MD				FILL; Appears poorly to moderately compacted 'Uncontrolled'
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown	**0.5**	MC>PL	St.-VSt.	D	C80		NATURAL 4% <OMC
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	**1.0**	MC<PL	VSt.	D	C81		
	End of Borehole (BH5) @ 1.0m	**1.5** **2.0** **2.5** **3.0** **3.5**						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **6**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232491
E: 0367579

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CL-CI	Silty CLAY; low to medium plasticity, with fine to medium sand, brown	0.5		St.	D	C82		3% <OMC
CI-CH	Silty CLAY; medium to high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	1.0		St.-VSt.	D	C83		
	End of Borehole (BH6) @ 1.0m	1.5 2.0 2.5 3.0 3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **7**

Sheet No.: 1 of 1

Ground Level: Existing

Method: Auger drilling with TC Bit

Date: 31/05/2017

GPS N: 6232493

E: 0367569

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CL-CI	Silty CLAY; low to medium plasticity, with fine to medium sand, brown	0.5		St.	D	C84		2% <OMC
CI-CH	Silty CLAY; medium to high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	1.0		St.-VSt.	D	C85		3% <OMC
	End of Borehole (BH7) @ 1.0m	1.5 2.0 2.5 3.0 3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **8**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232492
E: 0367563

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC>PL	F				
CL-CI	Silty CLAY; low to medium plasticity, with fine to medium sand, brown			St.	D	C86		
CI-CH	Silty CLAY; medium to high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	0.5		St.-VSt.				
		1.0			D	C87		3% <OMC
	End of Borehole (BH8) @ 1.0m	1.5						
		2.0						
		2.5						
		3.0						
		3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **9**

Sheet No.: 1 of 1

Ground Level: Existing
Method: Auger drilling with TC Bit

Date: 31/05/2017
GPS N: 6232675
E: 0367600

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC<PL	F-St.				
CI	Silty CLAY; medium plasticity, with fine to medium sand, brown		MC>PL	St.-VSt.	D	C88		4-5% <OMC
CH	Silty CLAY; high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	0.5	MC<PL	VSt.	D	C89		
		1.0						
	End of Borehole (BH9) @ 1.0m	1.5						
		2.0						
		2.5						
		3.0						
		3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

Borehole No.: **10**

Sheet No.: 1 of 1

Ground Level: Existing

Method: Auger drilling with TC Bit

Date: 31/05/2017

GPS N: 6232536

E: 0367662

USCS Symbol	Description	Depth (m)	Moisture Condition	Consistency/ Rel. Density	Sample Type	Sample No.	Lab. Test L.S %	Remarks & Field Records
CL	TOPSOIL: Sandy Silty CLAY; low plasticity, fine to medium sand, red brown		MC<PL	F				
CL-CI	Silty CLAY; low to medium plasticity, with fine to medium sand, brown			F-St.	D	C90		
CI-CH	Silty CLAY; medium to high plasticity, with fine to medium sand, trace fine to medium gravel, yellow brown	0.5		VSt.	D	C91		
		1.0						
	End of Borehole (BH10) @ 1.0m	1.5						
		2.0						
		2.5						
		3.0						
		3.5						

Registration No.: GS17-52
Location: Mid Western Highway, Goolgowi, NSW
Client: Muscat Developments

Logged By: J.P

Scale: As shown

Dry on Completion

AITKEN ROWE TESTING LABORATORIES PTY LTD

LOG SYMBOLS

LOG COLUMN	SYMBOLS	DEFINITION
Groundwater Record	▼	Standing water level. Time delay following completion of drilling may be shown.
	▶	Groundwater seepage into borehole or excavation noted during drilling or excavation.
Samples	**D**	Small disturbed bag sample taken between the depths indicated by lines.
	B	Bulk disturbed sample taken between the depths indicated by lines.
	U	Undisturbed 50mm diameter tube sample taken between the depths indicated by lines
Field Tests	**N=17 4, 7, 10**	Standard Penetration Test (S.P.T.) performed between depths indicated by lines. Individual figures show blows per 150mm penetration driven by SPT hammer.
	N_c 5 7 3	Dynamic Cone Penetration Test performed between depths indicated by lines. Individual figures show blows per 100mm penetration for 60 degree solid cone driven by 9 Kg hammer.
Moisture Condition (Cohesive Soils) (Cohensionless Soils)	**MC>PL**	Moisture content estimated to be greater than plastic limit.
	MC=PL	Moisture content estimated to be approx. equal to plastic limit.
	MC<PL	Moisture content estimated to be less than plastic limit.
	D	DRY – runs freely through fingers.
	M	MOIST – does not run freely but no free water visible on soil surface.
	W	WET – free water visible on soil surface.
Consistency (Cohesive Soils)	**VS**	VERY SOFT – unconfined compressive strength less than 25kPa.
	S	SOFT – unconfined compressive strength 25-50 kPa.
	F	FIRM – unconfined compressive strength 50-100kPa.
	St.	STIFF – unconfined compressive strength 100-200kPa.
	VSt.	VERY STIFF – unconfined compressive strength 200 – 400kPa.
	H	HARD – unconfined compressive strength greater than 400kPa.

Relative Density (Cohensionless Soils)		**Description**	**Density Index Range % S.P.T.**	**'N' Value Range Blows/300mm**
	VL	VERY LOOSE	<15	0-4
	L	LOOSE	15-35	4-10
	MD	MEDIUM DENSE	35-65	10-30
	D	DENSE	65-85	30-50
	VD	VERY DENSE	>85	> 50

Hand Penetrometer Readings	**300 250 280**	Numbers indicate individual test results in kPa on representative undisturbed material unless noted otherwise.
Laboratory Test	**L.S. %**	Linear Shrinkage (As per RTA Method T113)
	M.C. %	Field Moisture Content (As per Australian Standard AS1289.2.1.1 or RTA Method T120)
	I_{ss}	Shrink-Swell Index (As per Australian Standard AS1289.7.1.1)
Remarks	**'V' bit**	Hardened steel 'V' shaped bit.
	'TC' bit	Tungsten Carbide wing bit.
	T^{60}	Penetration of auger string in mm under static load of rig rear axle without rotation of augers.

Appendix C
Sample GPS Co-ordinates

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
1	365875	6233478	C1
2	365905	6233671	
3	365927	6233823	
4	365956	6234002	
5	365986	6234065	C2
6	366165	6234069	
7	366329	6234073	
8	366842	6234079	
9	366488	6234170	C3
10	366337	6234176	
11	366160	6234194	
12	366013	6234212	
13	366090	6234385	C4
14	366204	6234355	
15	366302	6234331	
16	366522	62343001	
17	366592	6234286	C5
18	366575	6234147	
19	366724	6234146	
20	366748	6234291	
21	366822	6234286	C6
22	366819	6234139	
23	366966	6234131	
24	366973	6234260	
25	367156	6234221	C7
26	367280	6234208	
27	367267	6234053	
28	367142	6234066	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
29	367058	6233935	C8
30	367215	6233909	
31	367202	6233735	
32	367060	6233753	
33	367027	6233583	C9
34	367187	6233560	
35	367161	6233360	
36	367011	623368	
37	367437	6234184	C10
38	367426	6234083	
39	367404	6233965	
40	367389	6233825	
41	367371	6233707	C11
42	367355	6233585	
43	367339	6233466	
44	367322	6233342	
45	367494	6233312	C12
46	367512	6233447	
47	367527	6233564	
48	367545	6233706	
49	367561	6233822	C13
50	367580	6233960	
51	367599	6234083	
52	367613	6234193	
53	367768	6234154	C14
54	367752	6234054	
55	367735	6233932	
56	367718	6233779	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
57	367703	6233677	C15
58	367684	6233534	
59	367667	6233403	
60	367651	6233280	
61	367797	6233259	C16
62	367815	6233391	
63	367836	6233532	
64	367853	6233661	
65	367871	6233795	C17
66	367886	6233924	
67	367903	6234061	
68	367919	6234183	
69	366037	6233469	C18
70	366072	6233644	
71	366089	6233808	
72	366095	6233945	
73	366291	6233961	C19
74	366288	6233796	
75	366280	6233620	
76	366272	623436	
77	366413	6233399	C20
78	366435	6233594	
79	366448	6233777	
80	366460	6233949	
81	366569	6233969	C21
82	366570	6233797	
83	366561	6233617	
84	366554	6233414	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
85	366670	6233321	C22
86	366683	6233506	
87	366700	6233712	
88	366696	6233895	
89	366817	6233963	C23
90	366826	6233791	
91	366806	6233608	
92	366786	6233418	
93	366878	6233357	C24
94	366898	6233521	
95	366922	6233703	
96	366952	6233932	
97	368034	6234123	C25
98	368153	6234113	
99	368296	6234094	
100	368439	6234076	
101	368581	6234059	C26
102	368716	6234038	
103	368705	6233917	
104	368580	6233937	
105	368440	6233960	C27
106	368301	6233974	
107	368154	6233994	
108	368026	6234015	
109	368018	6233886	C28
110	368150	6233870	
111	368311	6233850	
112	368453	6233832	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
113	368590	6233814	C29
114	368708	6233795	
115	368683	6233685	
116	368560	6233702	
117	368417	6233722	C30
118	368287	6233741	
119	368137	6233763	
120	368006	6233780	
121	367993	6233637	C31
122	368118	6233620	
123	368267	6233599	
124	3684002	6233584	
125	368540	6233567	C32
126	368668	6233548	
127	368655	6233421	
128	368515	6233441	
129	368379	6233459	C33
130	368248	6233476	
131	368100	6233497	
132	367970	6233513	
133	368373	6233313	C34
134	368586	6233286	
135	368507	6233220	
136	368583	6233097	
137	368732	6233027	C35
138	368899	6233006	
139	369052	6233983	
140	369215	6232961	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
141	369356	6232942	C36
142	369355	6233077	
143	369219	6233096	
144	369070	6233116	
145	368911	6233143	C37
146	368753	6233167	
147	368765	6233318	
148	368931	6233296	
149	369115	6233269	C38
150	369271	6233253	
151	369413	6233233	
152	369420	6233398	
153	369287	6233410	C39
154	369153	6233431	
155	368994	6233449	
156	368817	6233477	
157	368824	6233627	C40
158	369017	6233602	
159	369187	6233583	
160	369322	6233562	
161	369449	6233545	C41
162	369451	6233683	
163	369335	6233698	
164	369215	6233711	
165	369058	6233729	C42
166	368913	6233748	
167	368845	6233893	
168	369020	6233876	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
169	369186	6233853	C43
170	369332	6233835	
171	369465	6233815	
172	369453	6233941	
173	369325	6233957	C44
174	369188	6233973	
175	369054	6233994	
176	368917	6234009	
177	367303	6232163	C45
178	367427	6232145	
179	367535	6232144	
180	367622	6232140	
181	367638	6232241	C46
182	367530	6232253	
183	367424	6232252	
184	367298	6232281	
185	367328	6232386	C47
186	367434	6232366	
187	367522	6232333	
188	367610	6232305	
189	365923	6233232	C48
190	366087	6233212	
191	366242	6233192	
192	366404	6233172	
193	366441	6233061	C49
194	366294	6233083	
195	366146	6233103	
196	365956	6233127	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
197	365885	6233004	C50
198	366055	6232980	
199	366236	6232950	
200	366411	6232929	
201	365879	6232878	C51
202	366043	6232855	
203	366244	6232828	
204	366395	6232805	
205	366374	6232503	C52
206	366360	6232667	
207	366250	6232701	
208	366124	6232736	
209	367163	6232165	C53
210	367001	6232185	
211	366907	6232200	
212	366786	6232216	
213	366655	6232233	C54
214	366522	6232250	
215	366499	6232375	
216	366628	6232364	
217	366751	6232343	C55
218	366880	6232324	
219	367025	6232304	
220	367157	6232285	
221	367178	6232397	C56
222	367080	6232411	
223	366967	6232429	
224	366849	6232447	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
225	366711	6232468	C57
226	366566	6232489	
227	366526	6232621	
228	366677	6232598	
229	366817	6232580	C58
230	366944	6232560	
231	367072	6232539	
232	367198	6232527	
233	367232	6232684	C59
234	367106	6232705	
235	366960	6232722	
236	366839	6232741	
237	366690	6232764	C60
238	366567	6232779	
239	366583	6232984	
240	366725	6232961	
241	366897	6232937	C61
242	367047	6232916	
243	367182	6232897	
244	367281	6232887	
245	366623	6233186	C62
246	366766	6233160	
247	366922	6233138	
248	367085	6233115	
249	367204	6233096	C63
250	367306	6233094	
251	367416	6233079	
252	367506	6233067	

BOREHOLE CO-ORDINATES			
Borehole Number	**Easting**	**Northing**	**Sample Number**
253	367638	6233049	C64
254	367738	6233021	
255	367627	6232907	
256	367547	6232935	
257	367457	6232944	C65
258	367384	6232959	
259	367394	6232856	
260	367531	6232833	

Appendix D
Laboratory Test Reports

12 Ashley Street, Chatswood, NSW 2067
tel: +61 2 9910 6200

email: sydney@envirolab.com.au
envirolab.com.au

Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

CERTIFICATE OF ANALYSIS 168464

Client:

Aitken Rowe Testing Laboratories Pty Ltd
4/2 Riedell St
Wagga Wagga
NSW 2650

Attention: Nathan McLaren

Sample log in details:

Your Reference:	**GS17-52, Goolgowi**		
No. of samples:	94 Soils		
Date samples received / completed instructions received	02/06/17	/	02/06/17

Analysis Details:

Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by: / Issue Date:	9/06/17	/	9/06/17
Date of Preliminary Report:	Not Issued		

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Accredited for compliance with ISO/IEC 17025 - Testing **Tests not covered by NATA are denoted with *.**

Results Approved By:

David Springer
General Manager

VOCs in soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ---------- - ---------- 	168464-72 C72 0.3-0.5 31/05/2017 Soil	168464-73 C73 0.5-1.0 31/05/2017 Soil	168464-74 C74 0.3-0.5 31/05/2017 Soil	168464-75 C75 0.5-1.0 31/05/2017 Soil	168464-76 C76 0.3-0.5 31/05/2017 Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Dichlorodifluoromethane	mg/kg	<1	<1	<1	<1	<1
Chloromethane	mg/kg	<1	<1	<1	<1	<1
Vinyl Chloride	mg/kg	<1	<1	<1	<1	<1
Bromomethane	mg/kg	<1	<1	<1	<1	<1
Chloroethane	mg/kg	<1	<1	<1	<1	<1
Trichlorofluoromethane	mg/kg	<1	<1	<1	<1	<1
1,1-Dichloroethene	mg/kg	<1	<1	<1	<1	<1
trans-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
1,1-dichloroethane	mg/kg	<1	<1	<1	<1	<1
cis-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
bromochloromethane	mg/kg	<1	<1	<1	<1	<1
chloroform	mg/kg	<1	<1	<1	<1	<1
2,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1,1-trichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1-dichloropropene	mg/kg	<1	<1	<1	<1	<1
Cyclohexane	mg/kg	<1	<1	<1	<1	<1
carbon tetrachloride	mg/kg	<1	<1	<1	<1	<1
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
dibromomethane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
trichloroethene	mg/kg	<1	<1	<1	<1	<1
bromodichloromethane	mg/kg	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
1,1,2-trichloroethane	mg/kg	<1	<1	<1	<1	<1
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-dichloropropane	mg/kg	<1	<1	<1	<1	<1
dibromochloromethane	mg/kg	<1	<1	<1	<1	<1
1,2-dibromoethane	mg/kg	<1	<1	<1	<1	<1
tetrachloroethene	mg/kg	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1
chlorobenzene	mg/kg	<1	<1	<1	<1	<1
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
bromoform	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
styrene	mg/kg	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1

VOCs in soil Our Reference: Your Reference	UNITS ----------	168464-72 C72	168464-73 C73	168464-74 C74	168464-75 C75	168464-76 C76
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
o-Xylene	mg/kg	<1	<1	<1	<1	<1
1,2,3-trichloropropane	mg/kg	<1	<1	<1	<1	<1
isopropylbenzene	mg/kg	<1	<1	<1	<1	<1
bromobenzene	mg/kg	<1	<1	<1	<1	<1
n-propyl benzene	mg/kg	<1	<1	<1	<1	<1
2-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
4-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
1,3,5-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
tert-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2,4-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
1,3-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
sec-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,4-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
4-isopropyl toluene	mg/kg	<1	<1	<1	<1	<1
1,2-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
n-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	mg/kg	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
hexachlorobutadiene	mg/kg	<1	<1	<1	<1	<1
1,2,3-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
Surrogate Dibromofluorometha	%	118	117	102	102	103
Surrogate aaa-Trifluorotoluene	%	96	98	117	135	119
Surrogate Toluene-d_8	%	100	99	98	99	98
Surrogate 4-Bromofluorobenzene	%	87	87	100	98	98

VOCs in soil Our Reference: Your Reference	UNITS ----------	168464-77 C77	168464-78 C78	168464-79 C79	168464-80 C80	168464-81 C81
Depth	- ----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Dichlorodifluoromethane	mg/kg	<1	<1	<1	<1	<1
Chloromethane	mg/kg	<1	<1	<1	<1	<1
Vinyl Chloride	mg/kg	<1	<1	<1	<1	<1
Bromomethane	mg/kg	<1	<1	<1	<1	<1
Chloroethane	mg/kg	<1	<1	<1	<1	<1
Trichlorofluoromethane	mg/kg	<1	<1	<1	<1	<1
1,1-Dichloroethene	mg/kg	<1	<1	<1	<1	<1
trans-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
1,1-dichloroethane	mg/kg	<1	<1	<1	<1	<1
cis-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
bromochloromethane	mg/kg	<1	<1	<1	<1	<1
chloroform	mg/kg	<1	<1	<1	<1	<1
2,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1,1-trichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1-dichloropropene	mg/kg	<1	<1	<1	<1	<1
Cyclohexane	mg/kg	<1	<1	<1	<1	<1
carbon tetrachloride	mg/kg	<1	<1	<1	<1	<1
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
dibromomethane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
trichloroethene	mg/kg	<1	<1	<1	<1	<1
bromodichloromethane	mg/kg	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
1,1,2-trichloroethane	mg/kg	<1	<1	<1	<1	<1
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-dichloropropane	mg/kg	<1	<1	<1	<1	<1
dibromochloromethane	mg/kg	<1	<1	<1	<1	<1
1,2-dibromoethane	mg/kg	<1	<1	<1	<1	<1
tetrachloroethene	mg/kg	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1
chlorobenzene	mg/kg	<1	<1	<1	<1	<1
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
bromoform	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
styrene	mg/kg	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1
o-Xylene	mg/kg	<1	<1	<1	<1	<1

VOCs in soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ---------- - ----------	168464-77 C77 0.5-1.0 30/05/2017 Soil	168464-78 C78 0.3-0.5 30/05/2017 Soil	168464-79 C79 0.5-1.0 30/05/2017 Soil	168464-80 C80 0.3-0.5 30/05/2017 Soil	168464-81 C81 0.5-1.0 30/05/2017 Soil
1,2,3-trichloropropane	mg/kg	<1	<1	<1	<1	<1
isopropylbenzene	mg/kg	<1	<1	<1	<1	<1
bromobenzene	mg/kg	<1	<1	<1	<1	<1
n-propyl benzene	mg/kg	<1	<1	<1	<1	<1
2-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
4-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
1,3,5-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
tert-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2,4-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
1,3-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
sec-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,4-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
4-isopropyl toluene	mg/kg	<1	<1	<1	<1	<1
1,2-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
n-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	mg/kg	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
hexachlorobutadiene	mg/kg	<1	<1	<1	<1	<1
1,2,3-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
Surrogate Dibromofluorometha	%	117	102	117	116	103
Surrogate aaa-Trifluorotoluene	%	116	120	111	111	116
Surrogate Toluene-d_8	%	100	98	100	99	98
Surrogate 4-Bromofluorobenzene	%	86	97	87	86	99

VOCs in soil Our Reference: Your Reference	UNITS ----------	168464-82 C82	168464-83 C83	168464-84 C84	168464-85 C85	168464-86 C86
Depth	-	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5

Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Dichlorodifluoromethane	mg/kg	<1	<1	<1	<1	<1
Chloromethane	mg/kg	<1	<1	<1	<1	<1
Vinyl Chloride	mg/kg	<1	<1	<1	<1	<1
Bromomethane	mg/kg	<1	<1	<1	<1	<1
Chloroethane	mg/kg	<1	<1	<1	<1	<1
Trichlorofluoromethane	mg/kg	<1	<1	<1	<1	<1
1,1-Dichloroethene	mg/kg	<1	<1	<1	<1	<1
trans-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
1,1-dichloroethane	mg/kg	<1	<1	<1	<1	<1
cis-1,2-dichloroethene	mg/kg	<1	<1	<1	<1	<1
bromochloromethane	mg/kg	<1	<1	<1	<1	<1
chloroform	mg/kg	<1	<1	<1	<1	<1
2,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1,1-trichloroethane	mg/kg	<1	<1	<1	<1	<1
1,1-dichloropropene	mg/kg	<1	<1	<1	<1	<1
Cyclohexane	mg/kg	<1	<1	<1	<1	<1
carbon tetrachloride	mg/kg	<1	<1	<1	<1	<1
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
dibromomethane	mg/kg	<1	<1	<1	<1	<1
1,2-dichloropropane	mg/kg	<1	<1	<1	<1	<1
trichloroethene	mg/kg	<1	<1	<1	<1	<1
bromodichloromethane	mg/kg	<1	<1	<1	<1	<1
trans-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
cis-1,3-dichloropropene	mg/kg	<1	<1	<1	<1	<1
1,1,2-trichloroethane	mg/kg	<1	<1	<1	<1	<1
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-dichloropropane	mg/kg	<1	<1	<1	<1	<1
dibromochloromethane	mg/kg	<1	<1	<1	<1	<1
1,2-dibromoethane	mg/kg	<1	<1	<1	<1	<1
tetrachloroethene	mg/kg	<1	<1	<1	<1	<1
1,1,1,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1
chlorobenzene	mg/kg	<1	<1	<1	<1	<1
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
bromoform	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
styrene	mg/kg	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	mg/kg	<1	<1	<1	<1	<1
o-Xylene	mg/kg	<1	<1	<1	<1	<1

VOCs in soil Our Reference: Your Reference	UNITS ----------	168464-82 C82	168464-83 C83	168464-84 C84	168464-85 C85	168464-86 C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
1,2,3-trichloropropane	mg/kg	<1	<1	<1	<1	<1
isopropylbenzene	mg/kg	<1	<1	<1	<1	<1
bromobenzene	mg/kg	<1	<1	<1	<1	<1
n-propyl benzene	mg/kg	<1	<1	<1	<1	<1
2-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
4-chlorotoluene	mg/kg	<1	<1	<1	<1	<1
1,3,5-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
tert-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2,4-trimethyl benzene	mg/kg	<1	<1	<1	<1	<1
1,3-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
sec-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,4-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
4-isopropyl toluene	mg/kg	<1	<1	<1	<1	<1
1,2-dichlorobenzene	mg/kg	<1	<1	<1	<1	<1
n-butyl benzene	mg/kg	<1	<1	<1	<1	<1
1,2-dibromo-3-chloropropane	mg/kg	<1	<1	<1	<1	<1
1,2,4-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
hexachlorobutadiene	mg/kg	<1	<1	<1	<1	<1
1,2,3-trichlorobenzene	mg/kg	<1	<1	<1	<1	<1
Surrogate Dibromofluorometha	%	117	117	116	103	116
Surrogate aaa-Trifluorotoluene	%	116	111	113	101	113
Surrogate Toluene-d_8	%	98	98	99	98	98
Surrogate 4-Bromofluorobenzene	%	88	87	85	99	86

VOCs in soil		
Our Reference:	UNITS	168464-87
Your Reference	---------- -	C87
Depth	----------	0.5-1.0
Date Sampled		31/05/2017
Type of sample		Soil
Date extracted	-	05/06/2017
Date analysed	-	06/06/2017
Dichlorodifluoromethane	mg/kg	<1
Chloromethane	mg/kg	<1
Vinyl Chloride	mg/kg	<1
Bromomethane	mg/kg	<1
Chloroethane	mg/kg	<1
Trichlorofluoromethane	mg/kg	<1
1,1-Dichloroethene	mg/kg	<1
trans-1,2-dichloroethene	mg/kg	<1
1,1-dichloroethane	mg/kg	<1
cis-1,2-dichloroethene	mg/kg	<1
bromochloromethane	mg/kg	<1
chloroform	mg/kg	<1
2,2-dichloropropane	mg/kg	<1
1,2-dichloroethane	mg/kg	<1
1,1,1-trichloroethane	mg/kg	<1
1,1-dichloropropene	mg/kg	<1
Cyclohexane	mg/kg	<1
carbon tetrachloride	mg/kg	<1
Benzene	mg/kg	<0.2
dibromomethane	mg/kg	<1
1,2-dichloropropane	mg/kg	<1
trichloroethene	mg/kg	<1
bromodichloromethane	mg/kg	<1
trans-1,3-dichloropropene	mg/kg	<1
cis-1,3-dichloropropene	mg/kg	<1
1,1,2-trichloroethane	mg/kg	<1
Toluene	mg/kg	<0.5
1,3-dichloropropane	mg/kg	<1
dibromochloromethane	mg/kg	<1
1,2-dibromoethane	mg/kg	<1
tetrachloroethene	mg/kg	<1
1,1,1,2-tetrachloroethane	mg/kg	<1
chlorobenzene	mg/kg	<1
Ethylbenzene	mg/kg	<1
bromoform	mg/kg	<1
m+p-xylene	mg/kg	<2
styrene	mg/kg	<1
1,1,2,2-tetrachloroethane	mg/kg	<1
o-Xylene	mg/kg	<1

VOCs in soil		
Our Reference:	UNITS	168464-87
Your Reference	---------- -	C87
Depth	----------	0.5-1.0
Date Sampled		31/05/2017
Type of sample		Soil
1,2,3-trichloropropane	mg/kg	<1
isopropylbenzene	mg/kg	<1
bromobenzene	mg/kg	<1
n-propyl benzene	mg/kg	<1
2-chlorotoluene	mg/kg	<1
4-chlorotoluene	mg/kg	<1
1,3,5-trimethyl benzene	mg/kg	<1
tert-butyl benzene	mg/kg	<1
1,2,4-trimethyl benzene	mg/kg	<1
1,3-dichlorobenzene	mg/kg	<1
sec-butyl benzene	mg/kg	<1
1,4-dichlorobenzene	mg/kg	<1
4-isopropyl toluene	mg/kg	<1
1,2-dichlorobenzene	mg/kg	<1
n-butyl benzene	mg/kg	<1
1,2-dibromo-3-chloropropane	mg/kg	<1
1,2,4-trichlorobenzene	mg/kg	<1
hexachlorobutadiene	mg/kg	<1
1,2,3-trichlorobenzene	mg/kg	<1
Surrogate Dibromofluorometha	%	103
Surrogate aaa-Trifluorotoluene	%	120
Surrogate Toluene-d_8	%	99
Surrogate 4-Bromofluorobenzene	%	100

vTRH(C6-C10)/BTEXN in Soil						
Our Reference:	UNITS	168464-72	168464-73	168464-74	168464-75	168464-76
Your Reference	---------- -	C72	C73	C74	C75	C76
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
TRHC$_6$ - C$_9$	mg/kg	<25	<25	<25	<25	<25
TRHC$_6$ - C$_{10}$	mg/kg	<25	<25	<25	<25	<25
vTPHC$_6$ - C$_{10}$ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	96	98	117	135	119

vTRH(C6-C10)/BTEXN in Soil						
Our Reference:	UNITS	168464-77	168464-78	168464-79	168464-80	168464-81
Your Reference	---------- -	C77	C78	C79	C80	C81
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
TRHC$_6$ - C$_9$	mg/kg	<25	<25	<25	<25	<25
TRHC$_6$ - C$_{10}$	mg/kg	<25	<25	<25	<25	<25
vTPHC$_6$ - C$_{10}$ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	116	120	111	111	116

vTRH(C6-C10)/BTEXN in Soil						
Our Reference:	UNITS	168464-82	168464-83	168464-84	168464-85	168464-86
Your Reference	---------- -	C82	C83	C84	C85	C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
TRHC$_6$ - C$_9$	mg/kg	<25	<25	<25	<25	<25
TRHC$_6$ - C$_{10}$	mg/kg	<25	<25	<25	<25	<25
vTPHC$_6$ - C$_{10}$ less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	116	111	113	101	113

vTRH(C6-C10)/BTEXN in Soil			
Our Reference:	UNITS	168464-87	168464-88
Your Reference	---------- -	C87	C92
Depth	----------	0.5-1.0	-
Date Sampled		31/05/2017	31/05/2017
Type of sample		Soil	Soil
Date extracted	-	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017
TRHC$_6$ - C$_9$	mg/kg	<25	<25
TRHC$_6$ - C$_{10}$	mg/kg	<25	<25
vTPHC$_6$ - C$_{10}$ less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
Total +ve Xylenes	mg/kg	<1	<1
naphthalene	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	120	119

svTRH (C10-C40) in Soil						
Our Reference:	UNITS	168464-72	168464-73	168464-74	168464-75	168464-76
Your Reference	---------- -	C72	C73	C74	C75	C76
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	07/06/2017	07/06/2017	07/06/2017	07/06/2017	07/06/2017
TRHC$_{10}$ - C$_{14}$	mg/kg	<50	<50	<50	<50	<50
TRHC$_{15}$ - C$_{28}$	mg/kg	<100	<100	<100	<100	<100
TRHC$_{29}$ - C$_{36}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{10}$-C$_{16}$	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{10}$ - C$_{16}$ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{16}$-C$_{34}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{34}$-C$_{40}$	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	108	77	79	80	79

svTRH (C10-C40) in Soil						
Our Reference:	UNITS	168464-77	168464-78	168464-79	168464-80	168464-81
Your Reference	---------- -	C77	C78	C79	C80	C81
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	07/06/2017	07/06/2017	07/06/2017	07/06/2017	07/06/2017
TRHC$_{10}$ - C$_{14}$	mg/kg	<50	<50	<50	<50	<50
TRHC$_{15}$ - C$_{28}$	mg/kg	<100	<100	<100	<100	<100
TRHC$_{29}$ - C$_{36}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{10}$-C$_{16}$	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{10}$ - C$_{16}$ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{16}$-C$_{34}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{34}$-C$_{40}$	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	81	79	82	79	81

svTRH (C10-C40) in Soil						
Our Reference:	UNITS	168464-82	168464-83	168464-84	168464-85	168464-86
Your Reference	---------- -	C82	C83	C84	C85	C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	07/06/2017	07/06/2017	07/06/2017	07/06/2017	07/06/2017
TRHC$_{10}$ - C$_{14}$	mg/kg	<50	<50	<50	<50	<50
TRHC$_{15}$ - C$_{28}$	mg/kg	<100	<100	<100	<100	<100
TRHC$_{29}$ - C$_{36}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{10}$-C$_{16}$	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{10}$ - C$_{16}$ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH>C$_{16}$-C$_{34}$	mg/kg	<100	<100	<100	<100	<100
TRH>C$_{34}$-C$_{40}$	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	79	80	79	78	77

svTRH (C10-C40) in Soil			
Our Reference:	UNITS	168464-87	168464-88
Your Reference	---------- -	C87	C92
Depth	----------	0.5-1.0	-
Date Sampled		31/05/2017	31/05/2017
Type of sample		Soil	Soil
Date extracted	-	05/06/2017	05/06/2017
Date analysed	-	07/06/2017	07/06/2017
TRHC$_{10}$ - C$_{14}$	mg/kg	<50	<50
TRHC$_{15}$ - C$_{28}$	mg/kg	<100	<100
TRHC$_{29}$ - C$_{36}$	mg/kg	<100	<100
TRH>C$_{10}$-C$_{16}$	mg/kg	<50	<50
TRH>C$_{10}$ - C$_{16}$ less Naphthalene (F2)	mg/kg	<50	<50
TRH>C$_{16}$-C$_{34}$	mg/kg	<100	<100
TRH>C$_{34}$-C$_{40}$	mg/kg	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50
Surrogate o-Terphenyl	%	80	79

PAHs in Soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ---------- - ---------- 	168464-72 C72 0.3-0.5 31/05/2017 Soil	168464-73 C73 0.5-1.0 31/05/2017 Soil	168464-74 C74 0.3-0.5 31/05/2017 Soil	168464-75 C75 0.5-1.0 31/05/2017 Soil	168464-76 C76 0.3-0.5 31/05/2017 Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Surrogate p-Terphenyl-d14	%	100	93	90	95	98

PAHs in Soil Our Reference: Your Reference Depth Date Sampled Type of sample	UNITS ---------- - ---------- 	168464-77 C77 0.5-1.0 30/05/2017 Soil	168464-78 C78 0.3-0.5 30/05/2017 Soil	168464-79 C79 0.5-1.0 30/05/2017 Soil	168464-80 C80 0.3-0.5 30/05/2017 Soil	168464-81 C81 0.5-1.0 30/05/2017 Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Surrogate p-Terphenyl-d14	%	96	95	97	95	98

PAHs in Soil Our Reference: Your Reference	UNITS ----------	168464-82 C82	168464-83 C83	168464-84 C84	168464-85 C85	168464-86 C86
Depth	-	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled	----------	30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Surrogate p-Terphenyl-d14	%	95	94	92	96	94

PAHs in Soil			
Our Reference:	UNITS	168464-87	168464-88
Your Reference	----------	C87	C92
	-		
Depth	----------	0.5-1.0	-
Date Sampled		31/05/2017	31/05/2017
Type of sample		Soil	Soil
Date extracted	-	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5
Total +ve PAH's	mg/kg	<0.05	<0.05
Surrogate p-Terphenyl-d14	%	94	91

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-1	168464-2	168464-3	168464-4	168464-5
Your Reference	----------	C1	C2	C3	C4	C5
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	103	105	103	101	110

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-6	168464-7	168464-8	168464-9	168464-10
Your Reference	---------- -	C6	C7	C8	C9	C10
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	107	103	105	107

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-11	168464-12	168464-13	168464-14	168464-15
Your Reference	---------- -	C11	C12	C13	C14	C15
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	105	109	108	115	107

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-16	168464-17	168464-18	168464-19	168464-20
Your Reference	----------	C16	C17	C18	C19	C20
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	109	112	110	113

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-21	168464-22	168464-23	168464-24	168464-25
Your Reference	----------	C21	C22	C23	C24	C25
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	108	83	85	84	84

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-26	168464-27	168464-28	168464-29	168464-30
Your Reference	---------- -	C26	C27	C28	C29	C30
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	85	85	84	85	83

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-31	168464-32	168464-33	168464-34	168464-35
Your Reference	----------	C31	C32	C33	C34	C35
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	88	83	85	83

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-36	168464-37	168464-38	168464-39	168464-40
Your Reference	---------- -	C36	C37	C38	C39	C40
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	84	84	84	91

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-41	168464-42	168464-43	168464-44	168464-45
Your Reference	---------- -	C41	C42	C43	C44	C45
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	82	86	84	84	90

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-46	168464-47	168464-48	168464-49	168464-50
Your Reference	---------- -	C46	C47	C48	C49	C50
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	87	83	82	85

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-51	168464-52	168464-53	168464-54	168464-55
Your Reference	----------	C51	C52	C53	C54	C55
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	83	91	87	87	88

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-56	168464-57	168464-58	168464-59	168464-60
Your Reference	----------	C56	C57	C58	C59	C60
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	90	87	86	86	93

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-61	168464-62	168464-63	168464-64	168464-65
Your Reference	----------	C61	C62	C63	C64	C65
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	87	86	86	87

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-66	168464-67	168464-68	168464-69	168464-70
Your Reference	----------	C66	C67	C68	C69	C70
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	82	85	86	87	86

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-71	168464-72	168464-73	168464-74	168464-75
Your Reference	----------	C71	C72	C73	C74	C75
Depth	- ----------	0.3-0.5	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	89	89	95	95

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-76	168464-77	168464-78	168464-79	168464-80
Your Reference	----------	C76	C77	C78	C79	C80
Depth	- ----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	98	96	96	100	94

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-81	168464-82	168464-83	168464-84	168464-85
Your Reference	----------	C81	C82	C83	C84	C85
Depth	- ----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	96	96	96	94	94

Organochlorine Pesticides in soil						
Our Reference:	UNITS	168464-86	168464-87	168464-88	168464-89	168464-90
Your Reference	---------- -	C86	C87	C92	QA/QC1A	QA/QC2A
Depth	----------	0.3-0.5	0.5-1.0	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	94	92	92	92

Organochlorine Pesticides in soil					
Our Reference:	UNITS	168464-91	168464-92	168464-93	168464-94
Your Reference	---------- -	QA/QC3A	QA/QC4A	QA/QC5A	QA/QC6A
Depth	----------	-	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	94	94	92	94

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-1	168464-2	168464-3	168464-4	168464-5
Your Reference	---------- -	C1	C2	C3	C4	C5
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	103	105	103	101	110

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-6	168464-7	168464-8	168464-9	168464-10
Your Reference	---------- -	C6	C7	C8	C9	C10
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	107	103	105	107

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-11	168464-12	168464-13	168464-14	168464-15
Your Reference	---------- -	C11	C12	C13	C14	C15
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	105	109	108	115	107

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-16	168464-17	168464-18	168464-19	168464-20
Your Reference	---------- -	C16	C17	C18	C19	C20
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	107	109	112	110	113

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-21	168464-22	168464-23	168464-24	168464-25
Your Reference	---------- -	C21	C22	C23	C24	C25
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	108	83	85	84	84

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-26	168464-27	168464-28	168464-29	168464-30
Your Reference	---------- -	C26	C27	C28	C29	C30
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	85	85	84	85	83

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-31	168464-32	168464-33	168464-34	168464-35
Your Reference	---------- -	C31	C32	C33	C34	C35
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	88	83	85	83

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-36	168464-37	168464-38	168464-39	168464-40
Your Reference	---------- -	C36	C37	C38	C39	C40
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	84	84	84	91

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-41	168464-42	168464-43	168464-44	168464-45
Your Reference	---------- -	C41	C42	C43	C44	C45
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	82	86	84	84	90

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-46	168464-47	168464-48	168464-49	168464-50
Your Reference	---------- -	C46	C47	C48	C49	C50
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	87	83	82	85

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-51	168464-52	168464-53	168464-54	168464-55
Your Reference	---------- -	C51	C52	C53	C54	C55
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	83	91	87	87	88

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-56	168464-57	168464-58	168464-59	168464-60
Your Reference	---------- -	C56	C57	C58	C59	C60
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	90	87	86	86	93

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-61	168464-62	168464-63	168464-64	168464-65
Your Reference	---------- -	C61	C62	C63	C64	C65
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	87	86	86	87

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-66	168464-67	168464-68	168464-69	168464-70
Your Reference	---------- -	C66	C67	C68	C69	C70
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	82	85	86	87	86

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-71	168464-72	168464-73	168464-74	168464-75
Your Reference	---------- -	C71	C72	C73	C74	C75
Depth	----------	0.3-0.5	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	89	89	95	95

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-76	168464-77	168464-78	168464-79	168464-80
Your Reference	---------- -	C76	C77	C78	C79	C80
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	98	96	96	100	94

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-81	168464-82	168464-83	168464-84	168464-85
Your Reference	---------- -	C81	C82	C83	C84	C85
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	96	96	96	94	94

Organophosphorus Pesticides						
Our Reference:	UNITS	168464-86	168464-87	168464-88	168464-89	168464-90
Your Reference	---------- -	C86	C87	C92	QA/QC1A	QA/QC2A
Depth	----------	0.3-0.5	0.5-1.0	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	94	92	92	92

Organophosphorus Pesticides					
Our Reference:	UNITS	168464-91	168464-92	168464-93	168464-94
Your Reference	---------- -	QA/QC3A	QA/QC4A	QA/QC5A	QA/QC6A
Depth	----------	-	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	94	94	92	94

PCBs in Soil						
Our Reference:	UNITS	168464-72	168464-73	168464-74	168464-75	168464-76
Your Reference	----------	C72	C73	C74	C75	C76
Depth	- ----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	89	89	95	95	98

PCBs in Soil						
Our Reference:	UNITS	168464-77	168464-78	168464-79	168464-80	168464-81
Your Reference	----------	C77	C78	C79	C80	C81
Depth	- ----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	96	96	100	94	96

PCBs in Soil						
Our Reference:	UNITS	168464-82	168464-83	168464-84	168464-85	168464-86
Your Reference	---------- -	C82	C83	C84	C85	C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	96	96	94	94	93

PCBs in Soil			
Our Reference:	UNITS	168464-87	168464-88
Your Reference	---------- -	C87	C92
Depth	----------	0.5-1.0	-
Date Sampled		31/05/2017	31/05/2017
Type of sample		Soil	Soil
Date extracted	-	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017
Aroclor 1016	mg/kg	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1
Surrogate TCLMX	%	94	92

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-1	168464-2	168464-3	168464-4	168464-5
Your Reference	---------- -	C1	C2	C3	C4	C5
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	25	29	26	19	26
Copper	mg/kg	12	12	11	11	12
Lead	mg/kg	9	11	9	7	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	16	15	15	15	17
Zinc	mg/kg	22	25	24	21	26

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-6	168464-7	168464-8	168464-9	168464-10
Your Reference	---------- -	C6	C7	C8	C9	C10
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	19	28	28	29	21
Copper	mg/kg	11	15	15	15	9
Lead	mg/kg	9	11	11	9	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	13	20	20	20	12
Zinc	mg/kg	21	28	27	29	15

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-11	168464-12	168464-13	168464-14	168464-15
Your Reference	---------- -	C11	C12	C13	C14	C15
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	25	25	27	28	25
Copper	mg/kg	12	13	14	15	12
Lead	mg/kg	9	8	11	11	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	18	18	20	21	17
Zinc	mg/kg	22	22	24	31	22

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-16	168464-17	168464-18	168464-19	168464-20
Your Reference	---------- -	C16	C17	C18	C19	C20
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	22	29	29	22	26
Copper	mg/kg	11	14	18	12	15
Lead	mg/kg	8	11	11	9	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	19	20	15	19
Zinc	mg/kg	20	30	32	19	28

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-21	168464-22	168464-23	168464-24	168464-25
Your Reference	---------- -	C21	C22	C23	C24	C25
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	27	26	27	37
Copper	mg/kg	11	15	12	15	17
Lead	mg/kg	9	10	9	8	13
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	17	19	18	19	23
Zinc	mg/kg	21	26	25	28	36

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-26	168464-27	168464-28	168464-29	168464-30
Your Reference	---------- -	C26	C27	C28	C29	C30
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	34	27	29	29	32
Copper	mg/kg	13	12	13	12	13
Lead	mg/kg	10	10	10	10	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	18	18	19	18	19
Zinc	mg/kg	24	21	26	23	28

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-31	168464-32	168464-33	168464-34	168464-35
Your Reference	---------- -	C31	C32	C33	C34	C35
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	30	29	26	26	27
Copper	mg/kg	14	13	13	13	17
Lead	mg/kg	10	9	9	8	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	23	21	18	19	17
Zinc	mg/kg	27	26	25	26	30

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-36	168464-37	168464-38	168464-39	168464-40
Your Reference	---------- -	C36	C37	C38	C39	C40
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	27	23	22	19
Copper	mg/kg	9	12	9	11	8
Lead	mg/kg	7	8	6	7	6
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	9	14	10	14	12
Zinc	mg/kg	15	25	17	25	20

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-41	168464-42	168464-43	168464-44	168464-45
Your Reference	----------	C41	C42	C43	C44	C45
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	6	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	19	25	23	26
Copper	mg/kg	10	9	12	11	16
Lead	mg/kg	7	6	8	8	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	12	16	17	14
Zinc	mg/kg	24	17	23	22	22

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-46	168464-47	168464-48	168464-49	168464-50
Your Reference	----------	C46	C47	C48	C49	C50
Depth	- ----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	27	30	33	29	27
Copper	mg/kg	17	19	20	18	15
Lead	mg/kg	9	9	11	10	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	20	21	24	22	17
Zinc	mg/kg	27	31	38	32	26

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-51	168464-52	168464-53	168464-54	168464-55
Your Reference	---------- -	C51	C52	C53	C54	C55
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	29	29	30	29	26
Copper	mg/kg	19	16	20	18	15
Lead	mg/kg	10	10	10	10	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	20	18	21	21	16
Zinc	mg/kg	33	31	33	32	24

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-56	168464-57	168464-58	168464-59	168464-60
Your Reference	---------- -	C56	C57	C58	C59	C60
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	28	27	31	28	25
Copper	mg/kg	18	17	19	18	16
Lead	mg/kg	9	9	10	9	8
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	19	19	22	20	18
Zinc	mg/kg	28	27	35	33	26

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-61	168464-62	168464-63	168464-64	168464-65
Your Reference	---------- -	C61	C62	C63	C64	C65
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	28	27	25	23	26
Copper	mg/kg	18	12	14	11	15
Lead	mg/kg	9	8	8	8	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	20	12	17	12	18
Zinc	mg/kg	31	20	24	16	26

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-66	168464-67	168464-68	168464-69	168464-70
Your Reference	---------- -	C66	C67	C68	C69	C70
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	26	19	17	20	19
Copper	mg/kg	14	8	8	8	8
Lead	mg/kg	9	6	6	6	6
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	17	7	7	7	7
Zinc	mg/kg	29	20	19	16	17

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-71	168464-72	168464-73	168464-74	168464-75
Your Reference	----------	C71	C72	C73	C74	C75
Depth	- ----------	0.3-0.5	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	23	26	33	31	32
Copper	mg/kg	13	17	20	19	20
Lead	mg/kg	14	9	9	10	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	12	17	23	21	23
Zinc	mg/kg	49	30	38	44	38

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-76	168464-77	168464-78	168464-79	168464-80
Your Reference	----------	C76	C77	C78	C79	C80
Depth	- ----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	31	30	31	33	28
Copper	mg/kg	19	19	19	21	12
Lead	mg/kg	9	8	8	9	8
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	25	23	23	25	25
Zinc	mg/kg	36	33	33	38	26

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-81	168464-82	168464-83	168464-84	168464-85
Your Reference	---------- -	C81	C82	C83	C84	C85
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	35	33	33	27	30
Copper	mg/kg	20	15	19	14	18
Lead	mg/kg	10	9	9	9	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	24	31	23	14	20
Zinc	mg/kg	39	33	37	23	32

Acid Extractable metals in soil						
Our Reference:	UNITS	168464-86	168464-87	168464-88	168464-89	168464-90
Your Reference	---------- -	C86	C87	C92	QA/QC1A	QA/QC2A
Depth	----------	0.3-0.5	0.5-1.0	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	27	32	25	29	34
Copper	mg/kg	14	19	13	13	14
Lead	mg/kg	9	10	7	10	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	13	23	15	18	21
Zinc	mg/kg	22	36	28	29	32

Acid Extractable metals in soil					
Our Reference:	UNITS	168464-91	168464-92	168464-93	168464-94
Your Reference	---------- -	QA/QC3A	QA/QC4A	QA/QC5A	QA/QC6A
Depth	----------	-	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Arsenic	mg/kg	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	25	33	22	31
Copper	mg/kg	12	20	10	19
Lead	mg/kg	7	9	6	8
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	15	23	10	26
Zinc	mg/kg	25	37	21	34

Misc Soil - Inorg						
Our Reference:	UNITS	168464-72	168464-73	168464-74	168464-75	168464-76
Your Reference	---------- -	C72	C73	C74	C75	C76
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference:	UNITS	168464-77	168464-78	168464-79	168464-80	168464-81
Your Reference	---------- -	C77	C78	C79	C80	C81
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference:	UNITS	168464-82	168464-83	168464-84	168464-85	168464-86
Your Reference	---------- -	C82	C83	C84	C85	C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg		
Our Reference:	UNITS	168464-87
Your Reference	---------- -	C87
Depth	----------	0.5-1.0
Date Sampled		31/05/2017
Type of sample		Soil
Date prepared	-	05/06/2017
Date analysed	-	05/06/2017
Total Phenolics (as Phenol)	mg/kg	<5

Moisture						
Our Reference:	UNITS	168464-1	168464-2	168464-3	168464-4	168464-5
Your Reference	---------- -	C1	C2	C3	C4	C5
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	16	17	14	14	16

Moisture						
Our Reference:	UNITS	168464-6	168464-7	168464-8	168464-9	168464-10
Your Reference	---------- -	C6	C7	C8	C9	C10
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	13	17	19	19	16

Moisture						
Our Reference:	UNITS	168464-11	168464-12	168464-13	168464-14	168464-15
Your Reference	---------- -	C11	C12	C13	C14	C15
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	18	18	17	18	21

Moisture						
Our Reference:	UNITS	168464-16	168464-17	168464-18	168464-19	168464-20
Your Reference	---------- -	C16	C17	C18	C19	C20
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	26/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	21	18	18	20	16

Moisture						
Our Reference:	UNITS	168464-21	168464-22	168464-23	168464-24	168464-25
Your Reference	----------	C21	C22	C23	C24	C25
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		26/05/2017	26/05/2017	26/05/2017	26/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	18	19	17	17	33

Moisture						
Our Reference:	UNITS	168464-26	168464-27	168464-28	168464-29	168464-30
Your Reference	----------	C26	C27	C28	C29	C30
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	18	18	18	17	18

Moisture						
Our Reference:	UNITS	168464-31	168464-32	168464-33	168464-34	168464-35
Your Reference	----------	C31	C32	C33	C34	C35
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	20	20	17	17	16

Moisture						
Our Reference:	UNITS	168464-36	168464-37	168464-38	168464-39	168464-40
Your Reference	----------	C36	C37	C38	C39	C40
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	12	16	11	12	15

Moisture						
Our Reference:	UNITS	168464-41	168464-42	168464-43	168464-44	168464-45
Your Reference	----------	C41	C42	C43	C44	C45
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	16	15	16	17	14

Moisture						
Our Reference:	UNITS	168464-46	168464-47	168464-48	168464-49	168464-50
Your Reference	----------	C46	C47	C48	C49	C50
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		29/05/2017	29/05/2017	29/05/2017	29/05/2017	29/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	17	19	18	16	14

Moisture						
Our Reference:	UNITS	168464-51	168464-52	168464-53	168464-54	168464-55
Your Reference	----------	C51	C52	C53	C54	C55
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	19	16	18	19	18

Moisture						
Our Reference:	UNITS	168464-56	168464-57	168464-58	168464-59	168464-60
Your Reference	----------	C56	C57	C58	C59	C60
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	17	18	18	17	15

Moisture						
Our Reference:	UNITS	168464-61	168464-62	168464-63	168464-64	168464-65
Your Reference	----------	C61	C62	C63	C64	C65
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	17	12	21	15	17

Moisture						
Our Reference:	UNITS	168464-66	168464-67	168464-68	168464-69	168464-70
Your Reference	----------	C66	C67	C68	C69	C70
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Date Sampled		30/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	22	9.6	9.2	8.2	7.8

Moisture						
Our Reference:	UNITS	168464-71	168464-72	168464-73	168464-74	168464-75
Your Reference	----------	C71	C72	C73	C74	C75
	-					
Depth	----------	0.3-0.5	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	10	16	16	15	16

Moisture						
Our Reference:	UNITS	168464-76	168464-77	168464-78	168464-79	168464-80
Your Reference	----------	C76	C77	C78	C79	C80
	-					
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	14	15	14	15	12

Moisture						
Our Reference:	UNITS	168464-81	168464-82	168464-83	168464-84	168464-85
Your Reference	---------- -	C81	C82	C83	C84	C85
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	17	10	16	11	17

Moisture						
Our Reference:	UNITS	168464-86	168464-87	168464-88	168464-89	168464-90
Your Reference	---------- -	C86	C87	C92	QA/QC1A	QA/QC2A
Depth	----------	0.3-0.5	0.5-1.0	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	11	17	18	14	17

Moisture					
Our Reference:	UNITS	168464-91	168464-92	168464-93	168464-94
Your Reference	---------- -	QA/QC3A	QA/QC4A	QA/QC5A	QA/QC6A
Depth	----------	-	-	-	-
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	05/06/2017	05/06/2017	05/06/2017	05/06/2017
Date analysed	-	06/06/2017	06/06/2017	06/06/2017	06/06/2017
Moisture	%	15	19	8.8	13

Asbestos ID - soils						
Our Reference:	UNITS	168464-72	168464-73	168464-74	168464-75	168464-76
Your Reference	---------- -	C72	C73	C74	C75	C76
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		31/05/2017	31/05/2017	31/05/2017	31/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	7/06/2017	7/06/2017	7/06/2017	7/06/2017	7/06/2017
Sample mass tested	g	Approx. 30g	Approx. 35g	Approx. 30g	Approx. 30g	Approx. 35g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference:	UNITS	168464-77	168464-78	168464-79	168464-80	168464-81
Your Reference	---------- -	C77	C78	C79	C80	C81
Depth	----------	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	30/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	7/06/2017	7/06/2017	7/06/2017	7/06/2017	7/06/2017
Sample mass tested	g	Approx. 40g	Approx. 35g	Approx. 35g	Approx. 35g	Approx. 35g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference:	UNITS	168464-82	168464-83	168464-84	168464-85	168464-86
Your Reference	---------- -	C82	C83	C84	C85	C86
Depth	----------	0.3-0.5	0.5-1.0	0.3-0.5	0.5-1.0	0.3-0.5
Date Sampled		30/05/2017	30/05/2017	30/05/2017	30/05/2017	31/05/2017
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	7/06/2017	7/06/2017	7/06/2017	7/06/2017	7/06/2017
Sample mass tested	g	Approx. 35g	Approx. 35g	Approx. 35g	Approx. 35g	Approx. 40g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils			
Our Reference:	UNITS	168464-87	168464-88
Your Reference	---------- -	C87	C92
Depth	----------	0.5-1.0	-
Date Sampled		31/05/2017	31/05/2017
Type of sample		Soil	Soil
Date analysed	-	7/06/2017	7/06/2017
Sample mass tested	g	Approx. 35g	Approx. 40g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'TEQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'TEQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'TEQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-008	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.

Method ID	Methodology Summary
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.

QUALITY CONTROL VOCs in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Dichlorodifluoromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Chloromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Vinyl Chloride	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Bromomethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Chloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Trichlorofluoromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,1-Dichloroethene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
trans-1,2-dichloroethene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,1-dichloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	83%
cis-1,2-dichloroethene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
bromochloromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
chloroform	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	97%
2,2-dichloropropane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2-dichloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	99%
1,1,1-trichloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	77%
1,1-dichloropropene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Cyclohexane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
carbon tetrachloride	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Benzene	mg/kg	0.2	Org-014	<0.2	168464-72	<0.2 || <0.2	[NR]	[NR]
dibromomethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2-dichloropropane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
trichloroethene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	85%
bromodichloromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	111%
trans-1,3-dichloropropene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
cis-1,3-dichloropropene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,1,2-trichloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Toluene	mg/kg	0.5	Org-014	<0.5	168464-72	<0.5 || <0.5	[NR]	[NR]
1,3-dichloropropane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
dibromochloromethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	101%
1,2-dibromoethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
tetrachloroethene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	LCS-7	97%
1,1,1,2-tetrachloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
chlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Ethylbenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
bromoform	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
m+p-xylene	mg/kg	2	Org-014	<2	168464-72	<2 || <2	[NR]	[NR]
styrene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,1,2,2-tetrachloroethane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
o-Xylene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2,3-trichloropropane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]

QUALITY CONTROL VOCs in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
isopropylbenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
bromobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
n-propyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
2-chlorotoluene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
4-chlorotoluene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,3,5-trimethyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
tert-butyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2,4-trimethyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,3-dichlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
sec-butyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,4-dichlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
4-isopropyl toluene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2-dichlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
n-butyl benzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2-dibromo-3-chloropropane	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2,4-trichlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
hexachlorobutadiene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
1,2,3-trichlorobenzene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Surrogate Dibromofluorometha	%		Org-014	118	168464-72	118 || 118 || RPD: 0	LCS-7	102%
Surrogate aaa-Trifluorotoluene	%		Org-014	98	168464-72	96 || 92 || RPD: 4	LCS-7	117%
Surrogate Toluene-d_8	%		Org-014	100	168464-72	100 || 99 || RPD: 1	LCS-7	100%
Surrogate 4-Bromofluorobenzene	%		Org-014	88	168464-72	87 || 88 || RPD: 1	LCS-7	104%

QUALITY CONTROL vTRH(C6-C10)/BTEXN in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base || Duplicate || %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
TRHC$_6$ - C$_9$	mg/kg	25	Org-016	<25	168464-72	<25 || <25	LCS-7	114%
TRHC$_6$ - C$_{10}$	mg/kg	25	Org-016	<25	168464-72	<25 || <25	LCS-7	114%
Benzene	mg/kg	0.2	Org-016	<0.2	168464-72	<0.2 || <0.2	LCS-7	87%
Toluene	mg/kg	0.5	Org-016	<0.5	168464-72	<0.5 || <0.5	LCS-7	104%
Ethylbenzene	mg/kg	1	Org-016	<1	168464-72	<1 || <1	LCS-7	126%
m+p-xylene	mg/kg	2	Org-016	<2	168464-72	<2 || <2	LCS-7	127%
o-Xylene	mg/kg	1	Org-016	<1	168464-72	<1 || <1	LCS-7	119%
naphthalene	mg/kg	1	Org-014	<1	168464-72	<1 || <1	[NR]	[NR]
Surrogate aaa-Trifluorotoluene	%		Org-016	98	168464-72	96 || 92 || RPD: 4	LCS-7	117%

QUALITY CONTROL svTRH (C10-C40) in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base || Duplicate || %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			07/06/2017	168464-72	07/06/2017 || 07/06/2017	LCS-7	07/06/2017
TRHC$_{10}$ - C$_{14}$	mg/kg	50	Org-003	<50	168464-72	<50 || <50	LCS-7	120%
TRHC$_{15}$ - C$_{28}$	mg/kg	100	Org-003	<100	168464-72	<100 || <100	LCS-7	114%
TRHC$_{29}$ - C$_{36}$	mg/kg	100	Org-003	<100	168464-72	<100 || <100	LCS-7	106%
TRH>C$_{10}$-C$_{16}$	mg/kg	50	Org-003	<50	168464-72	<50 || <50	LCS-7	120%
TRH>C$_{16}$-C$_{34}$	mg/kg	100	Org-003	<100	168464-72	<100 || <100	LCS-7	114%
TRH>C$_{34}$-C$_{40}$	mg/kg	100	Org-003	<100	168464-72	<100 || <100	LCS-7	106%
Surrogate o-Terphenyl	%		Org-003	93	168464-72	108 || 81 || RPD: 29	LCS-7	119%

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base || Duplicate || %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			06/06/2017	168464-72	06/06/2017 || 06/06/2017	LCS-7	06/06/2017
Naphthalene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	99%
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Fluorene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	93%
Phenanthrene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	98%
Anthracene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	95%
Pyrene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	93%
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Chrysene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	LCS-7	112%
Benzo(b,j +k)fluoranthene	mg/kg	0.2	Org-012	<0.2	168464-72	<0.2 || <0.2	[NR]	[NR]

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	168464-72	<0.05 || <0.05	LCS-7	89%
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Surrogate p-Terphenyl-d14	%		Org-012	96	168464-72	100 || 93 || RPD: 7	LCS-7	115%
QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	06/06/2017 || 06/06/2017	LCS-7	05/06/2017
HCB	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	82%
gamma-BHC	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	102%
Heptachlor	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	96%
delta-BHC	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	90%
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	107%
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	115%
Dieldrin	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	118%
Endrin	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	111%
pp-DDD	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	116%
Endosulfan II	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	LCS-7	113%
Methoxychlor	mg/kg	0.1	Org-005	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%		Org-005	87	168464-72	89 || 91 || RPD: 2	LCS-7	107%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	06/06/2017 || 06/06/2017	LCS-7	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	92%
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	83%
Dimethoate	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	100%
Fenitrothion	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	99%
Malathion	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	90%
Parathion	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	98%
Ronnel	mg/kg	0.1	Org-008	<0.1	168464-72	<0.1 || <0.1	LCS-7	107%
Surrogate TCMX	%		Org-008	87	168464-72	89 || 91 || RPD: 2	LCS-7	100%

QUALITY CONTROL PCBs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	06/06/2017 || 06/06/2017	LCS-7	05/06/2017
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	LCS-7	101%
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	168464-72	<0.1 || <0.1	[NR]	[NR]
Surrogate TCLMX	%		Org-006	87	168464-72	89 || 91 || RPD: 2	LCS-7	100%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date prepared	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Arsenic	mg/kg	4	Metals-020	<4	168464-72	<4 || <4	LCS-7	115%
Cadmium	mg/kg	0.4	Metals-020	<0.4	168464-72	<0.4 || <0.4	LCS-7	105%
Chromium	mg/kg	1	Metals-020	<1	168464-72	26 || 33 || RPD: 24	LCS-7	107%
Copper	mg/kg	1	Metals-020	<1	168464-72	17 || 19 || RPD: 11	LCS-7	108%
Lead	mg/kg	1	Metals-020	<1	168464-72	9 || 10 || RPD: 11	LCS-7	105%
Mercury	mg/kg	0.1	Metals-021	<0.1	168464-72	<0.1 || <0.1	LCS-7	102%
Nickel	mg/kg	1	Metals-020	<1	168464-72	17 || 21 || RPD: 21	LCS-7	101%
Zinc	mg/kg	1	Metals-020	<1	168464-72	30 || 40 || RPD: 29	LCS-7	104%

QUALITY CONTROL Misc Soil - Inorg	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date prepared	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Date analysed	-			05/06/2017	168464-72	05/06/2017 || 05/06/2017	LCS-7	05/06/2017
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	168464-72	<5 || <5	LCS-7	102%

QUALITY CONTROL VOCs in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	05/06/2017
Dichlorodifluoromethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Chloromethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Vinyl Chloride	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Bromomethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Chloroethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Trichlorofluoromethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,1-Dichloroethene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
trans-1,2-dichloroethene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,1-dichloroethane	mg/kg	168464-81	<1 || <1	168464-73	83%
cis-1,2-dichloroethene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
bromochloromethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
chloroform	mg/kg	168464-81	<1 || <1	168464-73	94%
2,2-dichloropropane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2-dichloroethane	mg/kg	168464-81	<1 || <1	168464-73	94%
1,1,1-trichloroethane	mg/kg	168464-81	<1 || <1	168464-73	83%
1,1-dichloropropene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Cyclohexane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
carbon tetrachloride	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Benzene	mg/kg	168464-81	<0.2 || <0.2	[NR]	[NR]

QUALITY CONTROL VOCs in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
dibromomethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2-dichloropropane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
trichloroethene	mg/kg	168464-81	<1 || <1	168464-73	83%
bromodichloromethane	mg/kg	168464-81	<1 || <1	168464-73	111%
trans-1,3-dichloropropene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
cis-1,3-dichloropropene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,1,2-trichloroethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Toluene	mg/kg	168464-81	<0.5 || <0.5	[NR]	[NR]
1,3-dichloropropane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
dibromochloromethane	mg/kg	168464-81	<1 || <1	168464-73	117%
1,2-dibromoethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
tetrachloroethene	mg/kg	168464-81	<1 || <1	168464-73	97%
1,1,1,2-tetrachloroethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
chlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Ethylbenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
bromoform	mg/kg	168464-81	<1 || <1	[NR]	[NR]
m+p-xylene	mg/kg	168464-81	<2 || <2	[NR]	[NR]
styrene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,1,2,2-tetrachloroethane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
o-Xylene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2,3-trichloropropane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
isopropylbenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
bromobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
n-propyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
2-chlorotoluene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
4-chlorotoluene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,3,5-trimethyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
tert-butyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2,4-trimethyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,3-dichlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
sec-butyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,4-dichlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
4-isopropyl toluene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2-dichlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
n-butyl benzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2-dibromo-3-chloropropane	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2,4-trichlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
hexachlorobutadiene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
1,2,3-trichlorobenzene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Surrogate Dibromofluorometha	%	168464-81	103 || 103 || RPD: 0	168464-73	101%

QUALITY CONTROL VOCs in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Surrogate aaa-Trifluorotoluene	%	168464-81	116 || 129 || RPD: 11	168464-73	114%
Surrogate Toluene-d_8	%	168464-81	98 || 98 || RPD: 0	168464-73	100%
Surrogate 4-Bromofluorobenzene	%	168464-81	99 || 99 || RPD: 0	168464-73	103%
QUALITY CONTROL vTRH(C6-C10)/BTEXN in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	05/06/2017
$TRHC_6$ - C_9	mg/kg	168464-81	<25 || <25	168464-73	111%
$TRHC_6$ - C_{10}	mg/kg	168464-81	<25 || <25	168464-73	111%
Benzene	mg/kg	168464-81	<0.2 || <0.2	168464-73	83%
Toluene	mg/kg	168464-81	<0.5 || <0.5	168464-73	100%
Ethylbenzene	mg/kg	168464-81	<1 || <1	168464-73	122%
m+p-xylene	mg/kg	168464-81	<2 || <2	168464-73	125%
o-Xylene	mg/kg	168464-81	<1 || <1	168464-73	117%
naphthalene	mg/kg	168464-81	<1 || <1	[NR]	[NR]
Surrogate aaa-Trifluorotoluene	%	168464-81	116 || 129 || RPD: 11	168464-73	114%
QUALITY CONTROL svTRH (C10-C40) in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	07/06/2017 || 07/06/2017	168464-73	07/06/2017
$TRHC_{10}$ - C_{14}	mg/kg	168464-81	<50 || <50	168464-73	98%
$TRHC_{15}$ - C_{28}	mg/kg	168464-81	<100 || <100	168464-73	88%
$TRHC_{29}$ - C_{36}	mg/kg	168464-81	<100 || <100	168464-73	82%
$TRH>C_{10}$-C_{16}	mg/kg	168464-81	<50 || <50	168464-73	98%
$TRH>C_{16}$-C_{34}	mg/kg	168464-81	<100 || <100	168464-73	88%
$TRH>C_{34}$-C_{40}	mg/kg	168464-81	<100 || <100	168464-73	82%
Surrogate o-Terphenyl	%	168464-81	81 || 80 || RPD: 1	168464-73	77%
QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	06/06/2017
Naphthalene	mg/kg	168464-81	<0.1 || <0.1	168464-73	84%
Acenaphthylene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Acenaphthene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Fluorene	mg/kg	168464-81	<0.1 || <0.1	168464-73	76%
Phenanthrene	mg/kg	168464-81	<0.1 || <0.1	168464-73	77%
Anthracene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Fluoranthene	mg/kg	168464-81	<0.1 || <0.1	168464-73	73%
Pyrene	mg/kg	168464-81	<0.1 || <0.1	168464-73	75%

QUALITY CONTROL PAHs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Benzo(a)anthracene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Chrysene	mg/kg	168464-81	<0.1 || <0.1	168464-73	89%
Benzo(b,j+k)fluoranthene	mg/kg	168464-81	<0.2 || <0.2	[NR]	[NR]
Benzo(a)pyrene	mg/kg	168464-81	<0.05 || <0.05	168464-73	74%
Indeno(1,2,3-c,d)pyrene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Dibenzo(a,h)anthracene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Benzo(g,h,i)perylene	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Surrogate p-Terphenyl-d14	%	168464-81	98 || 95 || RPD: 3	168464-73	104%
QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	06/06/2017
HCB	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-81	<0.1 || <0.1	168464-73	92%
gamma-BHC	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-81	<0.1 || <0.1	168464-73	87%
Heptachlor	mg/kg	168464-81	<0.1 || <0.1	168464-73	94%
delta-BHC	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-81	<0.1 || <0.1	168464-73	89%
Heptachlor Epoxide	mg/kg	168464-81	<0.1 || <0.1	168464-73	84%
gamma-Chlordane	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-81	<0.1 || <0.1	168464-73	81%
Dieldrin	mg/kg	168464-81	<0.1 || <0.1	168464-73	92%
Endrin	mg/kg	168464-81	<0.1 || <0.1	168464-73	82%
pp-DDD	mg/kg	168464-81	<0.1 || <0.1	168464-73	98%
Endosulfan II	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-81	<0.1 || <0.1	168464-73	89%
Methoxychlor	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-81	96 || 96 || RPD: 0	168464-73	94%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-81	<0.1 || <0.1	168464-73	82%
Chlorpyriphos-methyl	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-81	<0.1 || <0.1	168464-73	75%
Dimethoate	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-81	<0.1 || <0.1	168464-73	107%
Fenitrothion	mg/kg	168464-81	<0.1 || <0.1	168464-73	107%
Malathion	mg/kg	168464-81	<0.1 || <0.1	168464-73	78%
Parathion	mg/kg	168464-81	<0.1 || <0.1	168464-73	105%
Ronnel	mg/kg	168464-81	<0.1 || <0.1	168464-73	91%
Surrogate TCMX	%	168464-81	96 || 96 || RPD: 0	168464-73	85%

QUALITY CONTROL PCBs in Soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	06/06/2017 || 06/06/2017	168464-73	06/06/2017
Aroclor 1016	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aroclor 1221	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aroclor 1232	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aroclor 1242	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aroclor 1248	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Aroclor 1254	mg/kg	168464-81	<0.1 || <0.1	168464-73	102%
Aroclor 1260	mg/kg	168464-81	<0.1 || <0.1	[NR]	[NR]
Surrogate TCLMX	%	168464-81	96 || 96 || RPD: 0	168464-73	85%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Arsenic	mg/kg	168464-81	<4 || <4	168464-73	87%
Cadmium	mg/kg	168464-81	<0.4 || <0.4	168464-73	90%
Chromium	mg/kg	168464-81	35 || 36 || RPD: 3	168464-73	98%
Copper	mg/kg	168464-81	20 || 20 || RPD: 0	168464-73	111%
Lead	mg/kg	168464-81	10 || 10 || RPD: 0	168464-73	86%
Mercury	mg/kg	168464-81	<0.1 || <0.1	168464-73	107%
Nickel	mg/kg	168464-81	24 || 24 || RPD: 0	168464-73	92%
Zinc	mg/kg	168464-81	39 || 40 || RPD: 3	168464-73	95%

QUALITY CONTROL Misc Soil - Inorg	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Date analysed	-	168464-81	05/06/2017 || 05/06/2017	168464-73	05/06/2017
Total Phenolics (as Phenol)	mg/kg	168464-81	<5 || <5	168464-73	98%
QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
Date analysed	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
HCB	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-1	<0.1 || <0.1	LCS-8	82%
gamma-BHC	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-1	<0.1 || <0.1	LCS-8	107%
Heptachlor	mg/kg	168464-1	<0.1 || <0.1	LCS-8	97%
delta-BHC	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-1	<0.1 || <0.1	LCS-8	90%
Heptachlor Epoxide	mg/kg	168464-1	<0.1 || <0.1	LCS-8	108%
gamma-Chlordane	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-1	<0.1 || <0.1	LCS-8	116%
Dieldrin	mg/kg	168464-1	<0.1 || <0.1	LCS-8	120%
Endrin	mg/kg	168464-1	<0.1 || <0.1	LCS-8	114%
pp-DDD	mg/kg	168464-1	<0.1 || <0.1	LCS-8	129%
Endosulfan II	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-1	<0.1 || <0.1	LCS-8	105%
Methoxychlor	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-1	103 || 100 || RPD: 3	LCS-8	122%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
Date analysed	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-1	<0.1 || <0.1	LCS-8	106%
Chlorpyriphos-methyl	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-1	<0.1 || <0.1	LCS-8	87%
Dimethoate	mg/kg	168464-1	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-1	<0.1 || <0.1	LCS-8	102%
Fenitrothion	mg/kg	168464-1	<0.1 || <0.1	LCS-8	109%
Malathion	mg/kg	168464-1	<0.1 || <0.1	LCS-8	94%
Parathion	mg/kg	168464-1	<0.1 || <0.1	LCS-8	107%
Ronnel	mg/kg	168464-1	<0.1 || <0.1	LCS-8	121%
Surrogate TCMX	%	168464-1	103 || 100 || RPD: 3	LCS-8	107%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
Date analysed	-	168464-1	05/06/2017 || 05/06/2017	LCS-8	05/06/2017
Arsenic	mg/kg	168464-1	<4 || <4	LCS-8	120%
Cadmium	mg/kg	168464-1	<0.4 || <0.4	LCS-8	105%
Chromium	mg/kg	168464-1	25 || 27 || RPD: 8	LCS-8	110%
Copper	mg/kg	168464-1	12 || 14 || RPD: 15	LCS-8	108%
Lead	mg/kg	168464-1	9 || 10 || RPD: 11	LCS-8	105%
Mercury	mg/kg	168464-1	<0.1 || <0.1	LCS-8	102%
Nickel	mg/kg	168464-1	16 || 18 || RPD: 12	LCS-8	104%
Zinc	mg/kg	168464-1	22 || 26 || RPD: 17	LCS-8	105%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	05/06/2017
Date analysed	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	06/06/2017
HCB	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-11	<0.1 || <0.1	LCS-9	76%
gamma-BHC	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-11	<0.1 || <0.1	LCS-9	88%
Heptachlor	mg/kg	168464-11	<0.1 || <0.1	LCS-9	78%
delta-BHC	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-11	<0.1 || <0.1	LCS-9	74%
Heptachlor Epoxide	mg/kg	168464-11	<0.1 || <0.1	LCS-9	87%
gamma-Chlordane	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
alpha-chlordane	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-11	<0.1 || <0.1	LCS-9	83%
Dieldrin	mg/kg	168464-11	<0.1 || <0.1	LCS-9	95%
Endrin	mg/kg	168464-11	<0.1 || <0.1	LCS-9	86%
pp-DDD	mg/kg	168464-11	<0.1 || <0.1	LCS-9	100%
Endosulfan II	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-11	<0.1 || <0.1	LCS-9	93%
Methoxychlor	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-11	105 || 111 || RPD: 6	LCS-9	94%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	05/06/2017
Date analysed	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-11	<0.1 || <0.1	LCS-9	85%
Chlorpyriphos-methyl	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-11	<0.1 || <0.1	LCS-9	90%
Dimethoate	mg/kg	168464-11	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-11	<0.1 || <0.1	LCS-9	95%
Fenitrothion	mg/kg	168464-11	<0.1 || <0.1	LCS-9	102%
Malathion	mg/kg	168464-11	<0.1 || <0.1	LCS-9	79%
Parathion	mg/kg	168464-11	<0.1 || <0.1	LCS-9	98%
Ronnel	mg/kg	168464-11	<0.1 || <0.1	LCS-9	96%
Surrogate TCMX	%	168464-11	105 || 111 || RPD: 6	LCS-9	88%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	05/06/2017
Date analysed	-	168464-11	05/06/2017 || 05/06/2017	LCS-9	05/06/2017
Arsenic	mg/kg	168464-11	<4 || <4	LCS-9	115%
Cadmium	mg/kg	168464-11	<0.4 || <0.4	LCS-9	105%
Chromium	mg/kg	168464-11	25 || 25 || RPD: 0	LCS-9	109%
Copper	mg/kg	168464-11	12 || 12 || RPD: 0	LCS-9	108%
Lead	mg/kg	168464-11	9 || 9 || RPD: 0	LCS-9	105%
Mercury	mg/kg	168464-11	<0.1 || <0.1	LCS-9	119%
Nickel	mg/kg	168464-11	18 || 18 || RPD: 0	LCS-9	102%
Zinc	mg/kg	168464-11	22 || 20 || RPD: 10	LCS-9	104%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	05/06/2017
Date analysed	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	06/06/2017
HCB	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-21	<0.1 || <0.1	LCS-10	75%
gamma-BHC	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-21	<0.1 || <0.1	LCS-10	91%
Heptachlor	mg/kg	168464-21	<0.1 || <0.1	LCS-10	80%
delta-BHC	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-21	<0.1 || <0.1	LCS-10	76%
Heptachlor Epoxide	mg/kg	168464-21	<0.1 || <0.1	LCS-10	89%
gamma-Chlordane	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-21	<0.1 || <0.1	LCS-10	85%
Dieldrin	mg/kg	168464-21	<0.1 || <0.1	LCS-10	97%
Endrin	mg/kg	168464-21	<0.1 || <0.1	LCS-10	86%
pp-DDD	mg/kg	168464-21	<0.1 || <0.1	LCS-10	102%
Endosulfan II	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-21	<0.1 || <0.1	LCS-10	91%
Methoxychlor	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-21	108 || 110 || RPD: 2	LCS-10	98%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	05/06/2017
Date analysed	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-21	<0.1 || <0.1	LCS-10	87%
Chlorpyriphos-methyl	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-21	<0.1 || <0.1	LCS-10	93%
Dimethoate	mg/kg	168464-21	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-21	<0.1 || <0.1	LCS-10	95%
Fenitrothion	mg/kg	168464-21	<0.1 || <0.1	LCS-10	109%
Malathion	mg/kg	168464-21	<0.1 || <0.1	LCS-10	78%
Parathion	mg/kg	168464-21	<0.1 || <0.1	LCS-10	106%
Ronnel	mg/kg	168464-21	<0.1 || <0.1	LCS-10	97%
Surrogate TCMX	%	168464-21	108 || 110 || RPD: 2	LCS-10	87%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	05/06/2017
Date analysed	-	168464-21	05/06/2017 || 05/06/2017	LCS-10	05/06/2017
Arsenic	mg/kg	168464-21	<4 || 4	LCS-10	118%
Cadmium	mg/kg	168464-21	<0.4 || <0.4	LCS-10	105%
Chromium	mg/kg	168464-21	24 || 24 || RPD: 0	LCS-10	111%
Copper	mg/kg	168464-21	11 || 13 || RPD: 17	LCS-10	109%
Lead	mg/kg	168464-21	9 || 9 || RPD: 0	LCS-10	103%
Mercury	mg/kg	168464-21	<0.1 || <0.1	LCS-10	100%
Nickel	mg/kg	168464-21	17 || 18 || RPD: 6	LCS-10	104%
Zinc	mg/kg	168464-21	21 || 22 || RPD: 5	LCS-10	106%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	05/06/2017
Date analysed	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	06/06/2017
HCB	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-41	<0.1 || <0.1	LCS-11	97%
gamma-BHC	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-41	<0.1 || <0.1	LCS-11	102%
Heptachlor	mg/kg	168464-41	<0.1 || <0.1	LCS-11	105%
delta-BHC	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-41	<0.1 || <0.1	LCS-11	95%
Heptachlor Epoxide	mg/kg	168464-41	<0.1 || <0.1	LCS-11	104%
gamma-Chlordane	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
alpha-chlordane	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-41	<0.1 || <0.1	LCS-11	115%
Dieldrin	mg/kg	168464-41	<0.1 || <0.1	LCS-11	108%
Endrin	mg/kg	168464-41	<0.1 || <0.1	LCS-11	92%
pp-DDD	mg/kg	168464-41	<0.1 || <0.1	LCS-11	104%
Endosulfan II	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-41	<0.1 || <0.1	LCS-11	71%
Methoxychlor	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-41	82 || 83 || RPD: 1	LCS-11	118%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	05/06/2017
Date analysed	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-41	<0.1 || <0.1	LCS-11	74%
Chlorpyriphos-methyl	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-41	<0.1 || <0.1	LCS-11	70%
Dimethoate	mg/kg	168464-41	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-41	<0.1 || <0.1	LCS-11	99%
Fenitrothion	mg/kg	168464-41	<0.1 || <0.1	LCS-11	76%
Malathion	mg/kg	168464-41	<0.1 || <0.1	LCS-11	71%
Parathion	mg/kg	168464-41	<0.1 || <0.1	LCS-11	82%
Ronnel	mg/kg	168464-41	<0.1 || <0.1	LCS-11	83%
Surrogate TCMX	%	168464-41	82 || 83 || RPD: 1	LCS-11	94%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	05/06/2017
Date analysed	-	168464-41	05/06/2017 || 05/06/2017	LCS-11	05/06/2017
Arsenic	mg/kg	168464-41	6 || 6 || RPD: 0	LCS-11	113%
Cadmium	mg/kg	168464-41	<0.4 || <0.4	LCS-11	105%
Chromium	mg/kg	168464-41	24 || 24 || RPD: 0	LCS-11	108%
Copper	mg/kg	168464-41	10 || 10 || RPD: 0	LCS-11	107%
Lead	mg/kg	168464-41	7 || 7 || RPD: 0	LCS-11	100%
Mercury	mg/kg	168464-41	<0.1 || <0.1	LCS-11	108%
Nickel	mg/kg	168464-41	14 || 14 || RPD: 0	LCS-11	102%
Zinc	mg/kg	168464-41	24 || 24 || RPD: 0	LCS-11	106%
QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-51	05/06/2017 || 05/06/2017	168464-2	05/06/2017
Date analysed	-	168464-51	06/06/2017 || 06/06/2017	168464-2	05/06/2017
HCB	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-51	<0.1 || <0.1	168464-2	106%
gamma-BHC	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-51	<0.1 || <0.1	168464-2	101%
Heptachlor	mg/kg	168464-51	<0.1 || <0.1	168464-2	109%
delta-BHC	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-51	<0.1 || <0.1	168464-2	107%
Heptachlor Epoxide	mg/kg	168464-51	<0.1 || <0.1	168464-2	104%
gamma-Chlordane	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-51	<0.1 || <0.1	168464-2	114%
Dieldrin	mg/kg	168464-51	<0.1 || <0.1	168464-2	105%
Endrin	mg/kg	168464-51	<0.1 || <0.1	168464-2	96%
pp-DDD	mg/kg	168464-51	<0.1 || <0.1	168464-2	127%
Endosulfan II	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-51	<0.1 || <0.1	168464-2	110%
Methoxychlor	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-51	83 || 90 || RPD: 8	168464-2	92%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-51	05/06/2017 || 05/06/2017	168464-2	05/06/2017
Date analysed	-	168464-51	06/06/2017 || 06/06/2017	168464-2	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-51	<0.1 || <0.1	168464-2	97%
Chlorpyriphos-methyl	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-51	<0.1 || <0.1	168464-2	83%
Dimethoate	mg/kg	168464-51	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-51	<0.1 || <0.1	168464-2	116%
Fenitrothion	mg/kg	168464-51	<0.1 || <0.1	168464-2	97%
Malathion	mg/kg	168464-51	<0.1 || <0.1	168464-2	92%
Parathion	mg/kg	168464-51	<0.1 || <0.1	168464-2	102%
Ronnel	mg/kg	168464-51	<0.1 || <0.1	168464-2	111%
Surrogate TCMX	%	168464-51	83 || 90 || RPD: 8	168464-2	106%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-51	05/06/2017 || 05/06/2017	168464-2	05/06/2017
Date analysed	-	168464-51	05/06/2017 || 05/06/2017	168464-2	05/06/2017
Arsenic	mg/kg	168464-51	<4 || <4	168464-2	83%
Cadmium	mg/kg	168464-51	<0.4 || <0.4	168464-2	94%
Chromium	mg/kg	168464-51	29 || 31 || RPD: 7	168464-2	100%
Copper	mg/kg	168464-51	19 || 19 || RPD: 0	168464-2	104%
Lead	mg/kg	168464-51	10 || 10 || RPD: 0	168464-2	87%
Mercury	mg/kg	168464-51	<0.1 || <0.1	168464-2	96%
Nickel	mg/kg	168464-51	20 || 21 || RPD: 5	168464-2	95%
Zinc	mg/kg	168464-51	33 || 34 || RPD: 3	168464-2	102%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-61	05/06/2017 || 05/06/2017	168464-22	05/06/2017
Date analysed	-	168464-61	06/06/2017 || 06/06/2017	168464-22	05/06/2017
HCB	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-61	<0.1 || <0.1	168464-22	96%
gamma-BHC	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-61	<0.1 || <0.1	168464-22	88%
Heptachlor	mg/kg	168464-61	<0.1 || <0.1	168464-22	92%
delta-BHC	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-61	<0.1 || <0.1	168464-22	90%
Heptachlor Epoxide	mg/kg	168464-61	<0.1 || <0.1	168464-22	83%
gamma-Chlordane	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
alpha-chlordane	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-61	<0.1 || <0.1	168464-22	80%
Dieldrin	mg/kg	168464-61	<0.1 || <0.1	168464-22	92%
Endrin	mg/kg	168464-61	<0.1 || <0.1	168464-22	81%
pp-DDD	mg/kg	168464-61	<0.1 || <0.1	168464-22	98%
Endosulfan II	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-61	<0.1 || <0.1	168464-22	90%
Methoxychlor	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-61	93 || 93 || RPD: 0	168464-22	86%
QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-61	05/06/2017 || 05/06/2017	168464-22	05/06/2017
Date analysed	-	168464-61	06/06/2017 || 06/06/2017	168464-22	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-61	<0.1 || <0.1	168464-22	86%
Chlorpyriphos-methyl	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-61	<0.1 || <0.1	168464-22	83%
Dimethoate	mg/kg	168464-61	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-61	<0.1 || <0.1	168464-22	98%
Fenitrothion	mg/kg	168464-61	<0.1 || <0.1	168464-22	92%
Malathion	mg/kg	168464-61	<0.1 || <0.1	168464-22	66%
Parathion	mg/kg	168464-61	<0.1 || <0.1	168464-22	102%
Ronnel	mg/kg	168464-61	<0.1 || <0.1	168464-22	99%
Surrogate TCMX	%	168464-61	93 || 93 || RPD: 0	168464-22	87%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-61	05/06/2017 || 05/06/2017	168464-22	05/06/2017
Date analysed	-	168464-61	05/06/2017 || 05/06/2017	168464-22	05/06/2017
Arsenic	mg/kg	168464-61	<4 || <4	168464-22	82%
Cadmium	mg/kg	168464-61	<0.4 || <0.4	168464-22	96%
Chromium	mg/kg	168464-61	28 || 28 || RPD: 0	168464-22	102%
Copper	mg/kg	168464-61	18 || 17 || RPD: 6	168464-22	106%
Lead	mg/kg	168464-61	9 || 9 || RPD: 0	168464-22	90%
Mercury	mg/kg	168464-61	<0.1 || <0.1	168464-22	101%
Nickel	mg/kg	168464-61	20 || 19 || RPD: 5	168464-22	95%
Zinc	mg/kg	168464-61	31 || 31 || RPD: 0	168464-22	101%

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-91	05/06/2017 || 05/06/2017	168464-42	05/06/2017
Date analysed	-	168464-91	06/06/2017 || 06/06/2017	168464-42	05/06/2017
HCB	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-91	<0.1 || <0.1	168464-42	103%
gamma-BHC	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-91	<0.1 || <0.1	168464-42	99%
Heptachlor	mg/kg	168464-91	<0.1 || <0.1	168464-42	105%
delta-BHC	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-91	<0.1 || <0.1	168464-42	104%
Heptachlor Epoxide	mg/kg	168464-91	<0.1 || <0.1	168464-42	90%
gamma-Chlordane	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
alpha-chlordane	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-91	<0.1 || <0.1	168464-42	89%
Dieldrin	mg/kg	168464-91	<0.1 || <0.1	168464-42	102%
Endrin	mg/kg	168464-91	<0.1 || <0.1	168464-42	88%
pp-DDD	mg/kg	168464-91	<0.1 || <0.1	168464-42	107%
Endosulfan II	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-91	<0.1 || <0.1	168464-42	97%
Methoxychlor	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-91	94 || 94 || RPD: 0	168464-42	86%

QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-91	05/06/2017 || 05/06/2017	168464-42	05/06/2017
Date analysed	-	168464-91	06/06/2017 || 06/06/2017	168464-42	05/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-91	<0.1 || <0.1	168464-42	87%
Chlorpyriphos-methyl	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-91	<0.1 || <0.1	168464-42	70%
Dimethoate	mg/kg	168464-91	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-91	<0.1 || <0.1	168464-42	98%
Fenitrothion	mg/kg	168464-91	<0.1 || <0.1	168464-42	98%
Malathion	mg/kg	168464-91	<0.1 || <0.1	168464-42	67%
Parathion	mg/kg	168464-91	<0.1 || <0.1	168464-42	107%
Ronnel	mg/kg	168464-91	<0.1 || <0.1	168464-42	99%
Surrogate TCMX	%	168464-91	94 || 94 || RPD: 0	168464-42	83%
QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-91	05/06/2017 || 05/06/2017	168464-42	05/06/2017
Date analysed	-	168464-91	05/06/2017 || 05/06/2017	168464-42	05/06/2017
Arsenic	mg/kg	168464-91	<4 || 5	168464-42	107%
Cadmium	mg/kg	168464-91	<0.4 || <0.4	168464-42	97%
Chromium	mg/kg	168464-91	25 || 27 || RPD: 8	168464-42	105%
Copper	mg/kg	168464-91	12 || 12 || RPD: 0	168464-42	115%
Lead	mg/kg	168464-91	7 || 8 || RPD: 13	168464-42	100%
Mercury	mg/kg	168464-91	<0.1 || <0.1	168464-42	124%
Nickel	mg/kg	168464-91	15 || 15 || RPD: 0	168464-42	97%
Zinc	mg/kg	168464-91	25 || 27 || RPD: 8	168464-42	98%
QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-31	05/06/2017 || 05/06/2017	168464-62	05/06/2017
Date analysed	-	168464-31	05/06/2017 || 05/06/2017	168464-62	06/06/2017
HCB	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
alpha-BHC	mg/kg	168464-31	<0.1 || <0.1	168464-62	82%
gamma-BHC	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
beta-BHC	mg/kg	168464-31	<0.1 || <0.1	168464-62	101%
Heptachlor	mg/kg	168464-31	<0.1 || <0.1	168464-62	83%
delta-BHC	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Aldrin	mg/kg	168464-31	<0.1 || <0.1	168464-62	103%
Heptachlor Epoxide	mg/kg	168464-31	<0.1 || <0.1	168464-62	91%
gamma-Chlordane	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]

QUALITY CONTROL Organochlorine Pesticides in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
alpha-chlordane	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Endosulfan I	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
pp-DDE	mg/kg	168464-31	<0.1 || <0.1	168464-62	90%
Dieldrin	mg/kg	168464-31	<0.1 || <0.1	168464-62	102%
Endrin	mg/kg	168464-31	<0.1 || <0.1	168464-62	88%
pp-DDD	mg/kg	168464-31	<0.1 || <0.1	168464-62	108%
Endosulfan II	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
pp-DDT	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Endrin Aldehyde	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Endosulfan Sulphate	mg/kg	168464-31	<0.1 || <0.1	168464-62	98%
Methoxychlor	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Surrogate TCMX	%	168464-31	84 || 87 || RPD: 4	168464-62	88%
QUALITY CONTROL Organophosphorus Pesticides	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date extracted	-	168464-31	05/06/2017 || 05/06/2017	168464-62	05/06/2017
Date analysed	-	168464-31	05/06/2017 || 05/06/2017	168464-62	06/06/2017
Azinphos-methyl (Guthion)	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Bromophos-ethyl	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Chlorpyriphos	mg/kg	168464-31	<0.1 || <0.1	168464-62	85%
Chlorpyriphos-methyl	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Diazinon	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Dichlorvos	mg/kg	168464-31	<0.1 || <0.1	168464-62	95%
Dimethoate	mg/kg	168464-31	<0.1 || <0.1	[NR]	[NR]
Ethion	mg/kg	168464-31	<0.1 || <0.1	168464-62	99%
Fenitrothion	mg/kg	168464-31	<0.1 || <0.1	168464-62	96%
Malathion	mg/kg	168464-31	<0.1 || <0.1	168464-62	73%
Parathion	mg/kg	168464-31	<0.1 || <0.1	168464-62	108%
Ronnel	mg/kg	168464-31	<0.1 || <0.1	168464-62	99%
Surrogate TCMX	%	168464-31	84 || 87 || RPD: 4	168464-62	88%

QUALITY CONTROL Acid Extractable metals in soil	UNITS	Dup. Sm#	Duplicate Base + Duplicate + %RPD	Spike Sm#	Spike % Recovery
Date prepared	-	168464-31	05/06/2017 || 05/06/2017	168464-62	05/06/2017
Date analysed	-	168464-31	05/06/2017 || 05/06/2017	168464-62	05/06/2017
Arsenic	mg/kg	168464-31	<4 || <4	168464-62	88%
Cadmium	mg/kg	168464-31	<0.4 || <0.4	168464-62	98%
Chromium	mg/kg	168464-31	30 || 29 || RPD: 3	168464-62	100%
Copper	mg/kg	168464-31	14 || 13 || RPD: 7	168464-62	106%
Lead	mg/kg	168464-31	10 || 10 || RPD: 0	168464-62	92%
Mercury	mg/kg	168464-31	<0.1 || <0.1	168464-62	123%
Nickel	mg/kg	168464-31	23 || 22 || RPD: 4	168464-62	96%
Zinc	mg/kg	168464-31	27 || 26 || RPD: 4	168464-62	101%

Report Comments:

Asbestos: A portion of the supplied sample was sub-sampled for asbestos analysis according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples 168464- 72 to 88 were sub-sampled from jars provided by the client.

Asbestos ID was analysed by Approved Identifier: Jessica Hie

Asbestos ID was authorised by Approved Signatory: Paul Ching

INS: Insufficient sample for this test
NR: Test not required
<: Less than

PQL: Practical Quantitation Limit
RPD: Relative Percent Difference
>: Greater than

NT: Not tested
NA: Test not required
LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike : A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample) : This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.
Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.
Spikes for Physical and Aggregate Tests are not applicable.
For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Charles Sturt University

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Locked Bag 588
Wagga Wagga NSW 2678

Tel: +61 2 6933 2849
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Email: eal@csu.edu.au
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Aitken Rowe Testing Laboratories P/L

4/2 Riedell St

Wagga Wagga NSW 2650

Attention: Nathan McLaren

Thursday, June 15, 2017

NATA Accredited Laboratory Number: 9597

Accredited for compliance with ISO/IEC 17025 - Testing

LABORATORY ANALYSIS REPORT

Report Number:1706-0010
Page 1 of 5
For all enquiries related to this report please quote document number: 1706-0010

Facility:

Order # GS17-052

Sample Type
Soil

Collected By
Client

Date Received
02-June-2017

EAL ID	Client ID. / Date/Time sample taken	Test	Result (units)		Method Reference	Limit of Reporting
17Jun-0019	**C88** 31.05.17					
		Refer to ALS Report Number:	**17-26435**		Analysis by ALS, Canberra (acc no. 992)	
17Jun-0020	**C89** 31.05.17					
		Refer to ALS Report Number:	**17-26435**		Analysis by ALS, Canberra (acc no. 992)	
17Jun-0021	**C90** 31.05.17					
		Refer to ALS Report Number:	**17-26435**		Analysis by ALS, Canberra (acc no. 992)	
17Jun-0022	**C91** 31.05.17					
		Refer to ALS Report Number:	**17-26435**		Analysis by ALS, Canberra (acc no. 992)	
17Jun-0023	**QA/QC1B**					
		Arsenic	**4**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**28.7**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
		Copper	**13.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**8**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3
		Nickel	**18**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	

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LABORATORY ANALYSIS REPORT

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Page 2 of 5
For all enquiries related to this report please quote document number: 1706-0010

Facility:

Order # GS17-052

Sample Type
Soil

Collected By
Client

Date Received
02-June-2017

EAL ID	Client ID. / Date/Time sample taken	Test	Result (units)		Method Reference	Limit of Reporting
17Jun-0023	**QA/QC1B**					
		Zinc	**29.6**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
17Jun-0024	**QA/QC2B**					
		Arsenic	**5**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**32.6**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
		Copper	**17.1**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**9**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3
		Nickel	**23**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	
		Zinc	**37.8**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
17Jun-0025	**QA/QC3B**					
		Arsenic	**4**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**23.2**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
		Copper	**10.8**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**5**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3

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Report Number:1706-0010
Page 3 of 5
For all enquiries related to this report please quote document number: 1706-0010

Facility:

Order # GS17-052

Sample Type
Soil

Collected By
Client

Date Received
02-June-2017

EAL ID	Client ID. / Date/Time sample taken	Test	Result (units)		Method Reference	Limit of Reporting
17Jun-0025	**QA/QC3B**					
		Nickel	**12**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	
		Zinc	**23.0**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
17Jun-0026	**QA/QC4B**					
		Arsenic	**6**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**26.8**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
		Copper	**16.6**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**6**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3
		Nickel	**18**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	
		Zinc	**31.8**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
17Jun-0027	**QA/QC5B**					
		Arsenic	**2**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**17.8**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2

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LABORATORY ANALYSIS REPORT

Report Number:1706-0010
Page 4 of 5
For all enquiries related to this report please quote document number: 1706-0010

Facility:

Order # GS17-052

Sample Type
Soil

Collected By
Client

Date Received
02-June-2017

EAL ID	Client ID. / Date/Time sample taken	Test	Result (units)		Method Reference	Limit of Reporting
17Jun-0027	**QA/QC5B**					
		Copper	**7.5**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**5**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3
		Nickel	**6**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	
		Zinc	**15.7**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
17Jun-0028	**QA/QC6B**					
		Arsenic	**4**	mg/kg	APHA 3030 E/3120 B	2
		Cadmium	**<0.2**	mg/kg	APHA 3030 E/3120 B	0.2
		Chromium	**23.6**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2
		Copper	**15.1**	mg/kg	APHA 3030 E/3120 B	0.2
		Lead	**6**	mg/kg	APHA 3030 E/3120 B	1
		Mercury	**<3**	mg/kg	* APHA 3030 E/3120 B	3
		Nickel	**18**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	1
		Refer to ALS Report Number:	**17-26434**		Analysis by ALS, Melbourne (acc no. 992)	
		Zinc	**25.6**	mg/kg	LTM-S-019 (APHA 3030E/3120B)	0.2

Note:

**** NATA Accreditation does not cover the performance of this service.***

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LABORATORY ANALYSIS REPORT

Report Number:1706-0010
Page 5 of 5
For all enquiries related to this report please quote document number: 1706-0010

Facility:

Order # GS17-052

Sample Type
Soil

Collected By
Client

Date Received
02-June-2017

EAL ID	Client ID. Date/Time sample taken	Test	Result (units)	Method Reference	Limit of Reporting

Signed ..... David Wade, Laboratory Manager.

All samples analysed as received.
All soil results are reported on a dry basis.
The EAL takes no responsibility for the end use of results within this report.
This report shall not be reproduced except in full.
This report replaces any previously issued report

CERTIFICATE OF ANALYSIS

Batch No:	**17-26434**	*Page*	**Page 1 of 3**
Final Report	**629313**	*Laboratory*	Scoresby Laboratory
Client:	**Environmental and Analytical Laboratories**	*Address*	Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
Contact:	**David Wade**	*Phone*	03 8756 8000
Address:	Charles Sturt University Locked Bag 588 WAGGA WAGGA NSW 2678	*Fax*	03 9763 1862
		Contact:	Brad Snibson Client Manager Brad.Snibson@alsglobal.com
PO No:	**P0197464**	Date Sampled:	**06-Jun-2017**
Sampler Name:		Date Samples Received:	**08-Jun-2017**
ALS Program Ref:	**EAL**	*Date Issued:*	**09-Jun-2017**
Program Description:	**Analysis for EAL**		
Client Ref:	**17Jun-0023-0028**		

The sample(s) referred to in this report were analysed by the following method(s) under NATA Accreditation No. 992. The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service .

Analysis	*Method*	*Laboratory*	*Analysis*	*Method*	*Laboratory*
OCP	WP068A	Scoresby	OP	WP130	Scoresby

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Signatories

These results have been electronically signed by the authorised signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11

Name	*Title*	*Name*	*Title*
Hao Zhang	**Team Leader Organics**		

Accreditation No. 992
Accredited for compliance with ISO/IEC 17025 - Testing

Samples not collected by ALS and are tested as received.

Soil results expressed in mg/kg dry weight unless specified otherwise. Soil microbiological testing was commenced within 48 hours from the day received unless otherwise stated. Water microbiological testing was commenced on the day received and within 24 hours of sampling unless otherwise stated.

MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Batch No: **17-26434**
Report Number: **629313**
Client: **Environmental and Analytical Laboratories**
ALS Program Ref: **EAL**
Program Description: **Analysis for EAL**

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
5235515		17Jun-0023	SOIL	06/06/17
5235516		17Jun-0024	SOIL	06/06/17
5235517		17Jun-0025	SOIL	06/06/17
5235518		17Jun-0026	SOIL	06/06/17

Analysis - Analyte	*Sample No. Site Code Units*	5235515	5235516	5235517	5235518
OCP - BHC (alpha isomer)	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - a-Endosulphan	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Aldrin	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - BHC (beta isomer)	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - b-Endosulphan	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Chlordane	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - cis-Chlordane	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - trans-Chlordane	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - BHC (delta isomer)	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - DDD	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - DDE	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - DDT	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Dieldrin	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Sum of alpha-, beta- and Endosulphan Sulphate	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Endosulfan Sulfate	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Endrin	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Endrin Aldehyde	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Endrin Ketone	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Hexachlorobenzene	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Heptachlor Epoxide	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Heptachlor	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - BHC (gamma isomer) [Lindane]	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Methoxychlor	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Oxychlordane	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Sum of DDD, DDE and DDT	mg/kg	<0.05	<0.05	<0.05	<0.05
OCP - Sum of Aldrin and Dieldrin	mg/kg	<0.05	<0.05	<0.05	<0.05
OP - Chlorpyrifos	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Diazinon	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Dichlorvos	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Ethion	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Fenthion	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Malathion	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Mevinphos	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Parathion	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Ronnel (Fenchlorfos)	mg/kg	<0.5	<0.5	<0.5	<0.5
OP - Stirofos	mg/kg	<0.5	<0.5	<0.5	<0.5

Batch No: **17-26434**
Report Number: **629313**
Client: **Environmental and Analytical Laboratories**
ALS Program Ref: **EAL**
Program Description: **Analysis for EAL**

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
5235519		17Jun-0027	SOIL	06/06/17
5235520		17Jun-0028	SOIL	06/06/17

Analysis - Analyte	*Sample No. Site Code Units*	5235519	5235520
OCP - BHC (alpha isomer)	mg/kg	<0.05	<0.05
OCP - a-Endosulphan	mg/kg	<0.05	<0.05
OCP - Aldrin	mg/kg	<0.05	<0.05
OCP - BHC (beta isomer)	mg/kg	<0.05	<0.05
OCP - b-Endosulphan	mg/kg	<0.05	<0.05
OCP - Chlordane	mg/kg	<0.05	<0.05
OCP - cis-Chlordane	mg/kg	<0.05	<0.05
OCP - trans-Chlordane	mg/kg	<0.05	<0.05
OCP - BHC (delta isomer)	mg/kg	<0.05	<0.05
OCP - DDD	mg/kg	<0.05	<0.05
OCP - DDE	mg/kg	<0.05	<0.05
OCP - DDT	mg/kg	<0.05	<0.05
OCP - Dieldrin	mg/kg	<0.05	<0.05
OCP - Sum of alpha-, beta- and Endosulphan Sulphate	mg/kg	<0.05	<0.05
OCP - Endosulfan Sulfate	mg/kg	<0.05	<0.05
OCP - Endrin	mg/kg	<0.05	<0.05
OCP - Endrin Aldehyde	mg/kg	<0.05	<0.05
OCP - Endrin Ketone	mg/kg	<0.05	<0.05
OCP - Hexachlorobenzene	mg/kg	<0.05	<0.05
OCP - Heptachlor Epoxide	mg/kg	<0.05	<0.05
OCP - Heptachlor	mg/kg	<0.05	<0.05
OCP - BHC (gamma isomer) [Lindane]	mg/kg	<0.05	<0.05
OCP - Methoxychlor	mg/kg	<0.05	<0.05
OCP - Oxychlordane	mg/kg	<0.05	<0.05
OCP - Sum of DDD, DDE and DDT	mg/kg	<0.05	<0.05
OCP - Sum of Aldrin and Dieldrin	mg/kg	<0.05	<0.05
OP - Chlorpyrifos	mg/kg	<0.5	<0.5
OP - Diazinon	mg/kg	<0.5	<0.5
OP - Dichlorvos	mg/kg	<0.5	<0.5
OP - Ethion	mg/kg	<0.5	<0.5
OP - Fenthion	mg/kg	<0.5	<0.5
OP - Malathion	mg/kg	<0.5	<0.5
OP - Mevinphos	mg/kg	<0.5	<0.5
OP - Parathion	mg/kg	<0.5	<0.5
OP - Ronnel (Fenchlorfos)	mg/kg	<0.5	<0.5
OP - Stirofos	mg/kg	<0.5	<0.5

A blank space indicates no test performed.

CERTIFICATE OF ANALYSIS

Batch No:	**17-26435**	*Page*	**Page 1 of 2**
Final Report	**629491**	*Laboratory*	Scoresby Laboratory
Client:	**Environmental and Analytical Laboratories**	*Address*	Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
Contact:	**David Wade**	*Phone*	03 8756 8000
Address:	Charles Sturt University Locked Bag 588 WAGGA WAGGA NSW 2678	*Fax*	03 9763 1862
		Contact:	Brad Snibson Client Manager Brad.Snibson@alsglobal.com
PO No:	**P0197464**	Date Sampled:	**06-Jun-2017**
Sampler Name:		Date Samples Received:	**08-Jun-2017**
ALS Program Ref:	**EAL**	*Date Issued:*	**13-Jun-2017**
Program Description:	**Analysis for EAL**		
Client Ref:	**17Jun-0019-0032**		

The sample(s) referred to in this report were analysed by the following method(s) under NATA Accreditation No. 992. The hash (#) below indicates methods not covered by NATA accreditation in the performance of this service .

Analysis	*Method*	*Laboratory*	*Analysis*	*Method*	*Laboratory*
E.coli & FC MPN	MM804	Scoresby			

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Analysis conducted outside holding time due to late arrival or delayed extraction/analysis. Based on APHA, VICEPA, AS & NEPM. Results are approximate and for indicative purposes only.

Late Sample Arrival - E.coli & FC MPN[5235530,5235531,5235532,5235533,5235534,5235535]

Signatories

These results have been electronically signed by the authorised signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11

Name	*Title*	*Name*	*Title*
Natacha Begue	**Deputy Team Leader Microbiology**	**Toni Gaal**	**Team Leader Microbiology**

Accreditation No. 992
Accredited for compliance with ISO/IEC 17025 - Testing

Samples not collected by ALS and are tested as received.

Soil results expressed in mg/kg dry weight unless specified otherwise. Soil microbiological testing was commenced within 48 hours from the day received unless otherwise stated. Water microbiological testing was commenced on the day received and within 24 hours of sampling unless otherwise stated.

MM524: Plate count results <10 per mL and >300 per mL are deemed as approximate.

MM526: Plate count results <2,500 per mL and >250,000 per mL are deemed as approximate.

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
5235530		17Jun-0019	SOIL	06/06/17
5235531		17Jun-0020	SOIL	06/06/17
5235532		17Jun-0021	SOIL	06/06/17
5235533		17Jun-0022	SOIL	06/06/17

Analysis - Analyte	*Sample No. Site Code Units*	5235530	5235531	5235532	5235533
E.coli & FC MPN - E.coli MPN	orgs/g dry wt	<2	<2	<2	<2
E.coli & FC MPN - Faecal Coliforms MPN	orgs/g dry wt	1900	3	38	16

Sample No	Site Code	Site Description	Sample Type	Sampled Date/Time
5235534		17Jun-0031	SOIL	06/06/17
5235535		17Jun-0032	SOIL	06/06/17

Analysis - Analyte	*Sample No. Site Code Units*	5235534	5235535
E.coli & FC MPN - E.coli MPN	orgs/g dry wt	>13000	>12000
E.coli & FC MPN - Faecal Coliforms MPN	orgs/g dry wt	>13000	>12000

A blank space indicates no test performed.