



Douglas Partners

Geotechnics | Environment | Groundwater

Site Review on
Detailed Site Investigation for Contamination

DHL Site - Stage 2
Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek

Prepared for
DHL Supply Chain (Australia) Pty Limited

Project 86548.20
September 2024

Integrated Practical Solutions





Douglas Partners

Geotechnics | Environment | Groundwater

Document History

Document details

Project No.	86548.20	Document No.	R.002.Rev1
Document title	Site Review on Detailed Site Investigation for Contamination DHL Site - Stage 2		
Site address	Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek		
Report prepared for	DHL Supply Chain (Australia) Pty Limited		
File name	86548.20.R.002.Rev1		



Document status and review

Status	Prepared by	Reviewed by	Date issued
Revision 0	Lizbeth Rodriguez	Christopher C Kline	8 August 2023
Revision 1	Lizbeth Rodriguez Grant Russell	Christopher C Kline	19 September 2024

Distribution of copies

Status	Electronic	Paper	Issued to
Revision 0	1	0	DHL Supply Chain (Australia) Pty Limited Lloyd Henderson
Revision 1	1	0	DHL Supply Chain (Australia) Pty Limited Lloyd Henderson

The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies.

Signature	Date
Author 	19 September 2024
Reviewer  p.p. Christopher C Kline	19 September 2024

Douglas Partners acknowledges Australia's First Peoples as the Traditional Owners of the Land and Sea on which we operate. We pay our respects to Elders past and present and to all Aboriginal and Torres Strait Islander peoples across the many communities in which we live, visit and work. We recognise and respect their ongoing cultural and spiritual connection to Country.



FS 604853

Douglas Partners Pty Ltd
 ABN 75 053 980 117
 www.douglaspartners.com.au
 18 Waler Crescent
 Smeaton Grange NSW 2567
 Phone (02) 4647 0075

Executive Summary

Douglas Partners Pty Ltd (DP) was engaged by DHL Supply Chain (Australia) Pty Limited (DHL) to document the findings of a Detailed Site Investigation for Contamination (DSI) previously undertaken for The Northern Gateway DHL Site Project at 1953 - 2109 Elizabeth Drive, Badgerys Creek, NSW ('TNG site' – report reference 86548.08.R.001.Rev0) and of relevance to DHL Stage 2 ('the site'), which encompasses the northern portion of the DHL Masterplan site

The DSI will be submitted by DHL as part of the State Significant Development Application (SSD 70817958) for the SSDA 2 area (Stage 2), as shown in Drawing 1, Appendix A which shows the location of the TNG site, the wider DHL site and Stage 2 the subject site.

DP has previously prepared *Report on Sampling and Analysis Quality Plan, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek*, Project 86548.02, Rev1, dated February 2020 ('the SAQP') for the TNG site which provides a review of previous contamination assessments undertaken at the site, a data gaps assessment, data quality objectives (for the DSI) as well as the sampling and analysis and assessment methodology for the DSI. The SAQP documents the targeted sampling approach and analysis of identified Areas of Environmental Concern (AEC) at the subject site, of which there are four within the current site (AECs 15, 16, 17 and 36) and one AEC (14) immediately adjacent to the northeast of the subject site.

The purpose of the DSI is to assess and comment on the suitability of the site for the proposed development from a contamination perspective and provide recommendations for future investigation and/or remediation works (if required).

The scope of this DSI included a review of the SAQP, a detailed site walkover of AECs and an intrusive investigation including test pits in AECs and across the remainder (background) of the site, surface samples from near timber power poles and laboratory analysis.

Soil analytical results of relevance to the site have been assessed against SAC and reviewed alongside observations made in the detailed site walkover. The findings of the DSI have established there is no evidence of widespread or significant contamination across the site. Localised contamination in some AECs was observed as requiring further investigation, delineation and/or remediation. These AECs requiring further works are summarised below:

- AEC 36 – Exceedances of metals (As), TRH, benzo(a)pyrene, and total PAH were recorded for surface soils (surface samples SS3 and SS4) around the two power poles (PP32 and PP35) assessed at the site. It is noted that exceedances of metals, TRH, benzo(a)pyrene, total PAHs and total PCBs have been observed next to power poles from elsewhere across the wider TNG site. It is noted that the number of exceedances observed in this DSI and the DSI for the wider TNG site indicate additional targeted investigations of all power poles will be required around power poles at the site to establish and further define which are suitable to be retained on site and which will require remediation. The additional targeted investigations will include step-out samples around the power poles;
- ACM Pipe network – an ACM pipe network has been sighted in AECs 15 and 16. ACM pipe network to be removed, chased out and validated. Where observed, ACM fragments on the surface should be removed by hand. A Remediation Action Plan (RAP) is required to document the process for the remediation and validation works; and

- Service pits are known to contain asbestos and have been sighted at the site. If required to be decommissioned this should be undertaken in a manner that prevents damage. If service pits are damaged either in their existing condition or in the removal process, remediation and targeted validation will be required. The process should be documented in the RAP.

Fill containing man-made or anthropogenic material has been observed at the site. There is the potential for such fill to contain contamination including asbestos in between test pit locations undertaken as part of this investigation and, as such the potential to encounter asbestos and other contamination in filling elsewhere at the site.

It is noted that the majority of the observed impact as outlined above are typical of sites in the south west Sydney region and does not impinge on the suitability of the site for rezoning from a contamination perspective. The above additional works should be undertaken to facilitate the DA process for subdivision.

The site is therefore suitable for rezoning and development from a contamination perspective subject to the above additional investigations and/or remediation works being undertaken prior to subdivision.

A number of stockpiles have been observed across the wider site, some of which have since been removed. For any remainder soil stockpiles, the UXF protocol should be referred to if asbestos is encountered once these materials are disturbed. A waste classification assessment will be required for off-site disposal for materials that are not pre-classified.

Table of Contents

	Page
1. Introduction.....	1
2. Proposed Development.....	1
3. Scope of Works.....	2
4. Site Information.....	2
5. Environmental Setting.....	4
6. Previous Investigations.....	4
6.1 Review of Previous Reports.....	4
6.2 Update on Record of EPA Notices.....	6
6.3 Summary of AECs.....	6
7. Preliminary Conceptual Site Model.....	7
8. Summary of the SAQP.....	10
8.1 Soil Sampling Rationale.....	10
8.2 Variations to the SAQP.....	11
9. Site Assessment Criteria.....	11
10. AEC Observations.....	11
11. Results of Intrusive Investigations.....	13
11.1 Summary of Field Work Completed.....	13
11.2 Field Work Results.....	13
11.2.1 Soils.....	13
11.3 Laboratory Analytical Results.....	13
12. Discussion.....	16
12.1 Data Quality Assurance and Quality Control.....	16
12.2 Summary.....	16
13. Revised Conceptual Site Model.....	17
14. Conclusions and Recommendations.....	18
15. References.....	18
16. Limitations.....	19
Appendix A: Drawings 1 and 2 About this Report	
Appendix B: Field Work Methodology	
Appendix C: Derivation of Site Assessment Criteria	
Appendix D: Summary Tables	
Appendix E: Test Pit Logs	
Appendix F: Laboratory Analytical Reports and Chain-of-Custody documentation	
Appendix G: QA/QC	

Report on Site Review on Detailed Site Investigation for Contamination

DHL Site - Stage 2

Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek

1. Introduction

Douglas Partners Pty Ltd (DP) was engaged by DHL Supply Chain (Australia) Pty Limited (DHL) to document the findings of a Detailed Site Investigation for Contamination (DSI) previously undertaken for The Northern Gateway DHL Site Project at 1953 - 2109 Elizabeth Drive, Badgerys Creek, NSW ('TNG site' – report reference 86548.08.R.001.Rev0) and of relevance to DHL Stage 2 ('the site'), which encompasses the northern portion of the DHL Masterplan site. The DSI will be submitted by DHL as part of the State Significant Development Application (SSD 70817958) for the SSDA 2 area (Stage 2), as shown in Drawing 1, Appendix A which shows the location of the TNG site, the DHL site as a whole, and the site. This report has been formatted as a DSI report typically would be but extracts the relevant data for the DHL site from the report for the larger site.

DP has previously prepared *Report on Sampling and Analysis Quality Plan, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, Project 86548.02, Rev1, dated February 2020* ('the SAQP') for the TNG site which provides a review of previous contamination assessments undertaken at the site, a data gaps assessment, data quality objectives (for the DSI) as well as the sampling and analysis and assessment methodology for the DSI. The SAQP documents the targeted sampling approach and analysis of identified Areas of Environmental Concern (AEC) at the site, of which there are four within the current site (AECs 15, 16, 17 and 36) and one AEC (14) immediately adjacent to the northeast of the subject site.

This report has been prepared with reference to NSW EPA endorsed guidelines including NSW EPA *Guidelines for Reporting on Contaminated Land: Contaminated Land Guidelines* (EPA, 2020c), State Environmental Planning Policy Number 55 – *Remediation of Land* ('SEPP 55') and National Environment Protection Council (NEPC), *National Environment Protection (Assessment of Site Contamination) Measure*, 1999 as amended 2013 (NEPC 2013).

The purpose of the DSI is to assess and comment on the suitability of the site for the proposed development from a contamination perspective and provide recommendations for future investigation and/or remediation works (if required).

2. Proposed Development

It is understood that the wider a 25 hectare (ha) DHL site is to be developed to provide general commercial/industrial land use.

It is understood, based on documents provided by DHL, that the 13.3 ha Stage 2 site is to be provide two large scale warehouse facilities, dock offices, hardstand and car parking, and higher order employment land uses. The site layout including the location of Stage 2 is presented in Drawing 1, Appendix A.

3. Scope of Works

The following scope of works were undertaken for the DSI (and relevant sections have been repeated here):

- Review of the SAQP including the findings of previous investigations of relevance to the site and the rationale for the scope of the DSI;
- Undertake a detailed site walkover of AECs;
- Using a backhoe, undertake test pits across the site to a depth of 0.5 m into natural strata, 3 m or prior refusal (whichever came first). The following test pit numbers were undertaken within the current site:
 - o Ten test pits (TP) in background areas (TP383 to TP387, TP401 to TP405); and
 - o Three targeted test pits within AECs (TP570, TP576 and TP577)
- Using hand tools (hand auger or a hand trowel) surface soil samples were collected from next to two power poles at the site;
- Soil samples were analysed for a range of contaminants of potential concern (CoPC) as defined in the SAQP (summarised in Section 6) and including metals¹, Total Recoverable Hydrocarbons (TRH), benzene, toluene, ethylbenzene and total xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), total phenols, Polychlorinated Biphenyls (PCBs), organochlorine pesticides (OC) and organophosphorus pesticides (OP);
- Soil results were assessed against current NSW EPA endorsed criteria for residential land use in the first instance as defined in the SAQP and in this report; and
- Outline the findings of the DSI in this report which has been prepared with reference to NSW EPA (2020b) guidelines.

4. Site Information

Site Address	Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek
Legal Description	Part Lot 1 on Deposited Plan (D.P) 1306448 (includes Stage 2)
Area	Stage 2: Approximately 13.3 ha Broader DHL site: 25 ha
Zoning	ENT Enterprise and ENZ Environment and Recreation adjacent to the south west site boundary See Figure 1 below for current zoning.
Local Council Area	Penrith City Council
Current Use	The majority of the site is grass-covered with tree growth around the former residence. Vacant land and a former residence in the southern portion (stage 1).
Recent and historical land use	Recently (in 2020) a horse-riding school was situated in proximity of the site and the site was presumably used for horse riding and agistment. The site was historically used primarily for rural residential and pastoral land use

¹ Arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), nickel (Ni) and zinc (Zn).

Surrounding Uses	<p>North –TNG site (vacant, pastoral and rural residential) followed by bushland and residential land use (Luddenham suburb)</p> <p>East – Vacant pastoral Western Sydney University site, followed by SUEZ Kemps Creek Resource Recovery Park and landfill (adjacent to Badgerys Creek) – a licenced waste facility and operates under an Environmental Protection Licence (Licence No. 4068).</p> <p>South – DHL Stage 1, followed by TNG site (vacant and pastoral) followed by Elizabeth Drive and the followed by commercial and rural residential properties (part of Badgerys Creek)</p> <p>West – TNG site (vacant and pastoral) followed by Cosgroves and Oaky Creek, followed by commercial and rural residential properties (part of Luddenham)</p>
------------------	--

The site boundary is shown on Figure 1 below.

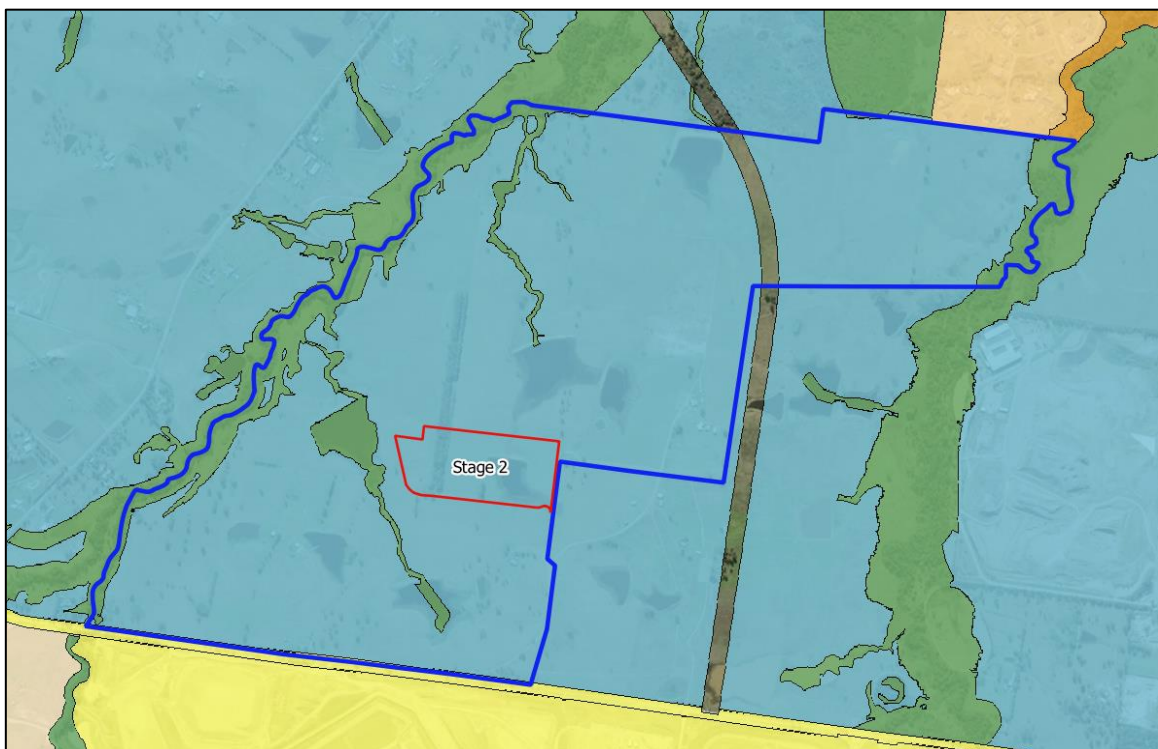


Figure 1: Current zoning including ENT Enterprise (blue) and ENZ Environment and Recreation (green) – site boundary in red, TNG boundary in blue.

5. Environmental Setting

Regional Topography	The regional topography is generally characterised as gently undulating.
Site Topography	Gently undulating terrain ranges from approximately 66 m from the highest part of the site in the south east, to the lowest part of the site (approx. RL 60) in the north, near a farm dam north of the site. Ground surface slopes within the site are typically less than five degrees. Ground surface slopes steepen considerably within the gullies, although the overall slope heights are generally less than 1 m.
Soil Landscape	The site comprises Blacktown soil landscapes (Bannerman <i>et al</i> , 1990).
Geology	The site is underlain by the Bringelly Shale Formation (Twib). This unit typically comprises shale, carbonaceous claystone, claystone, laminite, fine to medium-grained lithic sandstone, rare coal and tuff (NSW, DoM & E, 1991).
Acid Sulfate Soils	The site is not mapped within, or close to an area identified as a risk for acid sulphate soils (NSW DoE & CC, 1998).
Surface Water	Cosgroves Creek and Oaky Creek to the west; the distance from the current site is approximately 1250 m east and 780 m west respectively.
Groundwater	<p>The unweathered shale rock unit has very low hydraulic conductivity and the few bores drilled into the unweathered shales in the Sydney area are generally dry or yielding small flows of saline groundwater, typically with total dissolved salts (TDS) contents of 10 000 mg/L to 30 000 mg/L (Old, 1942; McNally, 2004). Groundwater flow is likely to be dominated by fracture flow with resultant low yields (typically <1 L/s) in bores.</p> <p>A search of the NSW Department of Planning, Industry and Environment groundwater bore database undertaken by DP in July 2021 indicated that there are no registered groundwater bores on the site.</p> <p>Twelve ground water bores are located within 1.8 km of the site and toward the east on the SUEZ Recycling and Resource Recovery Waste Facility site. The total drill depth ranged from 17 m to 37 m depth though no groundwater information was available for the bores.</p>

Refer to the SAQP (DP, 2020) for a detailed review of the environmental setting for the site.

6. Previous Investigations

6.1 Review of Previous Reports

The following previous investigations have been undertaken at the site:

- DP *Report on Soil Assessment, 1984 - 2107 Elizabeth Drive, Badgerys Creek*, Project 36288, dated 16 January 2004 (DP 2004);
- EI Australia Pty Ltd (EI) *Report on Preliminary Site Investigation, 1953-2109 Elizabeth Drive, Badgerys Creek, NSW*, Report E23773.E.01_Rev0, dated 30 May 2018 (EI 2018);

- DP, *Report on Geotechnical Land Capability Assessment, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek*, Project 86548.00.R.001.Rev1, November 2019 (DP 2019a);
- DP, *Report on Preliminary Site Investigation, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek*, Project 86548.00.R.002.Rev1, November 2019 (DP 2019b);
- DP, *Report on Sampling and Analysis Quality Plan, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, NSW*, Project 86548.03, Rev. 1 (DP, 2020); and
- Environmental Risk Assessors Pty Ltd (ERA), *Focused Site Remediation and Validation, 1753 – 2019 Elizabeth Drive, Badgerys Creek, NSW*, prepared for Roy & Patricia Medich Trust Fund, dated 10 July 2020.

The above previous investigations were reviewed to inform the SAQP to (in particular) inform the data gaps assessment undertaken as part of the SAQP. Key findings of the review of relevance to this report are summarised below:

- The EI (2018) assessment comprised a qualitative assessment of the site from a contamination perspective. The scope of the assessment included a site inspection and site history search. The EI (2018) assessment generally concluded that the wider site could be made suitable for development subject to further investigations of possible localised contamination sources, including:
 - o A scientific animal research farm known as the McMaster Field Station operated by the CSIRO, where animal health, reproduction, parasitological and other pastoral issues were studied. From 1996 until present date the site has been used to graze cattle, and (more recently) for commercial purposes including firewood storage and mulching;
 - o Homesteads with associated sheds;
 - o Isolated dumping; and
 - o Two petroleum storage tanks were present on the wider TNG site but not within DHL Stage 2 area;
- DP (2019b) undertook a Preliminary Site Investigation (PSI) of the TNG site to evaluate the contamination status of the site regarding its compatibility, from a contamination perspective, for the proposed mixed-use development. The scope of the PSI included a desktop review, a site walkover and limited intrusive soil sampling and analysis. Based on the desktop review, site walkover and geotechnical field observations, several areas were identified as Potential Areas of Environmental Concern (PAEC). Based on the findings of the limited intrusive investigation and the desktop assessment, five PAECs were declared Areas of Environmental Concern, of which there are four within the current site (AECs 15 to 17 and 36), and one AEC (14) located immediately adjacent to the northeast of the subject site, which required further investigation (i.e. this DSI). The AECs generally fall within the following categories:
 - o Former structures – i.e.: degradation and demolition of structures and leaks and spills;
 - o Ground disturbances/Fill;
 - o Asbestos pipes; and
 - o Wooden power poles.

Refer to Section 6.2 for a summary of AECs and overview of their location at the site.

- DP (2020) prepared a Sampling and Analysis Quality Plan (SAQP) for the DSI, the scope of which included a review of previous investigations, a site walkover and a data gaps assessment to establish what data is needed to assess whether or not the site is suitable for the proposed development, from a contamination assessment. The SAQP defined the number, type and locations for soil and groundwater sampling to assess the site in particular data gaps. The SAQP also presented a methodology for sample collection, preservation and storage and establish data quality objectives (DQOs) as well as quality assurance and quality control (QA/QC) procedures. A summary of the SAQP is presented in Section 8.

6.2 Update on Record of EPA Notices

A search of EPA Public Registers² was undertaken in January 2021, after completion of the PSI (DP, 2019b) and the SAQP (DP, 2020) because the Lotsearch undertaken for the PSI included a search of EPA's records however DP understands this was informed by an incomplete dataset provided by the EPA.

The search results identify eight notices related to the sub-leased portion of the TNG site which is outside the DHL Stage 2 site. The Clean Up and Penalty Notices were issued to both the site owner and the sub lease holder for the "unlawful transportation, storage and processing of waste, including asbestos without a licence to do so", the use of the sub lease area as an unlawful waste facility and associated environmental pollution (land and water – Cosgroves Creek). Follow up works were carried out to resolve the notices including preparation of a validation report after removal of the stockpiles identified as containing asbestos and these are documented in reports prepared by others.

6.3 Summary of AECs

The AECs identified at the site, or immediately nearby to the site, are presented on Figure 2 below and documented in Table 1 further below. They are also shown in Drawing 1, Appendix A.

² <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers>. Last accessed January 2021.



Figure 2: Location of AECs within the site (red boundary – yellow is the wider DHL site, and blue is the wider TNG boundary). Note red dots are AEC 36 (timber power poles)

Table 1: Summary of AECs

AEC Reference	Potential Sources of Contamination	Description
14 (located immediately adjacent to the site)	Ground Disturbance/Filling	Area of anthropogenic impacted filling
15	Suspected ACM pipe network	Suspected ACM pipe and outlet valve
16	Suspected ACM pipe network	Suspected ACM pipe
17	Import of Fill/Fly Tipped Material/possible filling	Fly tipped material on dam wall
36	Timber power poles	All Power Poles present on site –six power poles were observed at the site

7. Preliminary Conceptual Site Model

The conceptual site model (CSM) for the site is documented in the SAQP (DP, 2020) and presented below.

Potential Sources

Based on previous site uses and site observations, the potential sources of contamination and associated contaminants are summarised in Table 2 in broad source types and their associated contaminants of potential concern.

Table 2: Potential Sources of Contamination

AECs	Potential Source	Description of Potential Source	Contaminants of Potential Concern
14 and 17	Import of Fill/Fly Tipped Material (S2) (Ground disturbance/Filling)	There are several ground disturbances and areas of observed fill at the site. Some material contains building and demolition materials which may or may not be impacted with hazardous building materials. The contamination status of fill at the site is currently unknown.	Metals, TRH, BTEX, PAH, OCP, OPP, PCB, phenols, and asbestos
Background Areas	Agricultural Activities (S3) – Entire Site	The site has been used for agricultural activities including cattle grazing and application of pesticides and fertilizers across the site.	Heavy metals, OCP, OPP, BTEX
36	Power Poles (S5)	Leaching of timber treatment chemicals from power poles has potential to impact the adjacent soils.	Heavy metals, TRH, BTEX, PCB, PAH and OCP
15 and 16	Asbestos Pipes and Possible Pipe Network (S6)	Degradation and damage of pipes may lead to hazardous materials being present within the surrounding soils	Asbestos
Background Areas	CSIRO Activities (S7)	Use of the land as an agricultural laboratory.	Heavy metals, OCP, OPP, BTEX,

Note: More than one of the potential sources of contamination may be relevant for a single AEC. The DSI for the wider site (DP,2021) included additional sources including Building Construction, Degradation and Demolition - Structures (S1), Leaks and Spills (S4) and Offsite Landfill Gas (LFG) and Leachate (S9) which have not been identified within the Stage 2 site.

Potential Receptors

Potential receptors of contamination have been identified to include:

- R1 – Future site users (including visitors and workers);
- R2 – Adjacent land users;
- R3 – Surface waters (both at the site and beyond the site boundary);
- R4 – Groundwater;
- R5 – Terrestrial ecology; and
- R6 – Possible inground structures.

Potential Pathways

Potential pathways for contamination to impact receptors include the following:

- P1 – Ingestion and dermal contact with soil or water;
- P2 – Inhalation of dust;
- P3 – Inhalation of vapours;

- P4 – Surface water runoff;
- P5 – Leaching of contaminants and vertical migration into groundwater;
- P6 – Lateral migration of groundwater;
- P7 – Direct contact of contaminated ground; and
- P8 – Direct contact of contaminated ground within ground structures.

It is noted that in the case of ACM, the exposure pathway is long term, i.e. once the fragment has been subject to weathering and degradation facilitating asbestos fibres to potentially become airborne and inhaled, if disturbed.

Summary of Potentially Complete Exposure Pathways

A 'source-pathway-receptor' approach has been used to assess the potential risks of harm being caused to human or environmental receptors from contamination sources on or in the vicinity of the site, via exposure pathways (complete pathways). The possible pathways between the above listed sources and receptors are provided in Table 3.

Table 3: Preliminary Conceptual Site Model

Source	Exposure Pathway	Receptor	Requirement for Additional Data and / or Management
S1: Building Construction, Degradation and Demolition	P1, P2, P4 – P7	Human health (R1 – R3) Environmental (R4 – R6)	An inspection and intrusive investigation are required to quantify and assess possible contamination including chemical testing of soil (and groundwater if deemed necessary)
S2: Import of Fill/Fly Tipped Material	P1 – P7		
S3: Agricultural Activities	P1 – P7		
S5: Power Poles	P1, P2, P4 – P7	Human health (R1) Environmental (R5)	
S6: Asbestos Pipe and Possible Pipe Network	P1, P2, P4		
S7: CSIRO Activities	P1 – P7	Human health (R1 – R3) Environmental (R4 – R6)	

Groundwater in shales beneath the site is unlikely to be suitable for irrigation purposes owing to its generally low yield and reasonably high levels of salinity. The permeability of the shales is generally very low (typically <1 L / s), therefore significantly inhibiting the potential for contamination to migrate from the site. Based on the findings of DP (2019b), a groundwater investigation is not required for the areas outside of the AECs. The scope for groundwater investigation of the AECs will be determined on a case-by-case basis during the DSI.

8. Summary of the SAQP

A summary of the SAQP is presented in Table 4 on the following page and includes testing locations within 100 m of the site boundary should the boundary of the proposed site alter in sale³. For more detail on the SAQP refer to DP 2020.

Table 4: Soil Testing Summary SAQP

AEC	Source Type	Number of TP	Test Pit Reference	Analysis (Select Samples)
17	S2	1 TP per AEC	570	Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH, phenols and asbestos
14 (located immediately adjacent)	S2	2 TP per AEC	576 and 577	Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH, phenols and asbestos
15, 16	S6	-	-	Limited samples for asbestos identification and detailed walkover of AECs noting locations of all asbestos and potentially determine extent of pipe network
36	S5	2 surface samples	SS3 and SS4	Heavy metals, TRH, BTEX, PCB, PAH, phenols
Remaining balance of the site less samples completed as part of the PSI	S3	10 TP	TP383 to TP387 and TP401 to TP405,	Metals, TRH, BTEX, OCP, OPP, PCBs, PAHs, phenols and asbestos
Total	-	13TP 2 surface samples	-	-

8.1 Soil Sampling Rationale

For test pits within AECs, a targeted / judgemental sampling strategy was used and was informed by site history information, the CSM and observations made during the detailed site walkover.

Soil samples were collected from test pit at depths of approximately 0.15 m, 0.5 m, 1.0 m and every 0.5 m thereafter, and changes in lithology or signs of contamination to the top of natural strata.

For test pits across the remainder of the site, i.e. background areas, test pits were generally undertaken on a grid basis, generally at a frequency of one test pit per hectare. The targeted test pits include testing within defined AEC areas to capture general soil conditions across the whole of the site.

The general sampling methods are described in the field work methodology, included in Appendix B.

³ Included as requested by DHL.

8.2 Variations to the SAQP

The following variations to the SAQP were required:

- Some proposed test pit locations were slightly relocated to avoid services and their exclusion zones where relevant;
- The numbering of test pits was also amended from those presented in the SAQP to follow the order in which the test pits were carried out; and
- It is noted that field work for the site was undertaken in several mobilisations in January 2020.

Sample locations are shown on Drawing 2, Appendix A.

9. Site Assessment Criteria

As per the SAQP, the site assessment criteria (SAC) applied in the DSI has been informed by the preliminary CSM for the whole TNG site, which identified human and environmental receptors to potential contamination on the site. Analytical results were to be assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 NEPC (2013).

Given the proposed mixed-use land use for the wider TNG site, which potentially includes residential land uses, the adopted human health and ecological criteria are HIL A / HSL A and B and EIL/ESL A (most stringent) in the first instance. If exceedances are observed, these will be assessed against commercial/industrial criteria.

The derivation of the SAC is included in Appendix C and the adopted primary (first instance) SAC for soil are listed on the summary analytical results tables in Appendix D.

10. AEC Observations

Two DP environmental scientists recorded observations made in AECs during the DSIs which were used to provide a more detailed itinerary of stockpiles and power poles that was possible during the SAQP. Key observations are outlined in Table 5 below and in Drawing 2 in Appendix A.

Table 5: Summary of Key Observation in Site Walkover.

AEC #	AEC Description	Key Observations	Targeted Sampling/Advice Provided
14 (See Drawing 2)	Possible filling	This portion of the site appears to be used for stockpiling of organic material including mulch, soil and grass. Filling including concrete, sandstone, shale and bricks was visible on the surface to the front of the area, next to the access road. The road cover appeared to comprise concrete, sandstone and shale.	Pit 576 targets road cover area, and Pit 577 targets the stockpile area.
15 (See Drawing 2)	Suspected ACM pipe network	This portion of the site was covered with dense, long grass cover which inhibited close inspection. An ACM pipe and ACM outlet was observed during the walkover approximately 10 – 12 m south of this AEC.	The presence of ACM has been considered accordingly in the advice provided in Section 14.
16 (See Drawing 2)		One fragment of loose ACM pipe was observed in this portion of the site.	The presence of ACM has been considered accordingly in the advice provided in Section 14.
17 (See Drawing 2)	Import of Fill/Fly Tipped Material/possible filling	Fill including sand, concrete and brick fragments were observed within surface soils.	Pit 570 targets this feature.
36	Timber power poles	A total of six power poles were observed at the. All power poles were observed to be in generally good condition.	Surface samples ('SS') were collected targeting two power poles – refer to Drawing 2 for sample locations.

11. Results of Intrusive Investigations

11.1 Summary of Field Work Completed

The field work was completed over several few mobilisations between 28 to 30 January 2020.

11.2 Field Work Results

11.2.1 Soils

The test pit logs are provided in Appendix E and the location of test pits are shown in Drawing 2, Appendix A. The logs recorded the following general sub-surface profile:

- **Topsoil:** Topsoil comprising silty clay/clayey silt and silt with rootlets was observed at the top of the soil horizon in the majority of the test pits, of which two appeared to be placed fill/topsoil. Topsoil was observed to depths of between 0.1 and 0.6 m (average 0.2 m). Trace sand, rootlets, ironstone and mixed gravels were also observed on occasion.

Trace anthropogenic material (plastic wires, terracotta, porcelain tile and brick fragments) not including visible ACM were observed in fill/topsoil on ground surface of two test pits (TP576 and TP577). Of the test pits containing anthropogenic material, two were targeted test pits that were located in AEC14 area.

- **Fill:** Fill of varying description was observed in two test pits. Descriptions ranged from silt to sandy clay, the depth to base ranged from 0.01 to 1.1 m bgl; and
- **Silt/Silty Clay/Clayey Silt:** Medium plasticity and generally brown, red brown, red orange, mottled in places with the same colour variation. Including rootlets and trace ironstone gravels. This stratum was observed in 13 test pits to varying depths (base often not observed) and is generally consistent with regional mapping of the Blacktown soil landscape.

There were no other apparent records of visual or olfactory evidence (e.g.: staining, odours, free phase product) to suggest the presence of contamination within the soils or groundwater observed in the investigation.

No free groundwater was observed during excavation of test pits. It should be noted that groundwater levels are affected by climatic conditions and soil permeability and will therefore vary with time.

11.3 Laboratory Analytical Results

The laboratory analytical results are summarised in Table D1 as presented in Appendix D. Copies of laboratory chain of custodies, sample receipts and analytical reports are provided in Appendix F. The findings of the analytical results compared to their respective SAC are summarised in Table 6 below for each AEC.

Table 6: Summary of Laboratory Analytical Results

AEC	Summary of Results	Exceedances and Further Assessment (where relevant)
Background	Metals: Below the laboratory PQL and/or the SAC	None
14	Benzo(a)pyrene: Marginally exceeds the ecological SAC (0.7 mg/kg) in one out of two samples but is below CRC Care ecological guidelines (refer to Appendix C). All remaining soil analytical results were below PQL.	None.
15	Site walkover only	N/A – ACM visually confirmed.
16	Site walkover only	N/A – ACM visually confirmed.
17	All soil analytical results were below PQL and/or SAC.	None.
18	All soil analytical results were below PQL and/or SAC.	None.
19	All soil analytical results were below PQL and/or SAC.	None.
36 – Power Poles	<p>Metals: below the laboratory PQL and/or the SAC with the exception of: As in SS4 sample (PP35) exceeded the corresponding human health and ecological SAC.</p> <p>TRH: All results below both PQL and SAC.</p> <p>BTEX: All results below both PQL and SAC.</p> <p>PAH: : All results below both PQL and SAC,</p> <p>PCBs: All soil analytical results were below PQL and/or SAC,</p> <p>however exceedances were observed elsewhere in TNG site for this AEC.</p>	<p>As: Exceeds the human health and ecological SAC (both 100 mg/kg) in SS4 (150 mg/kg). Site-specific SAC for the proposed development (commercial/industrial) provides amended human health (3,000 mg/kg) and ecological criteria (160 mg/kg) which soils from SS4 fall below.</p> <p>TRH: C10 – C16 exceeds the ecological SAC for (120 mg/kg) in SS3 (200 mg/kg) and SS4 (160 mg/kg), statistical assessment of the dataset is not appropriate due to some exceedances (from TNG wider site) were more than 250% of the SAC.</p> <p>Soils from SS3 exceed the site-specific SAC (200 mg/kg) for the proposed development (commercial/industrial) and soils from SS4 fall below.</p> <p>F2 - None</p> <p>F3 exceeds both management limit and direct contact SAC in SS3 (6,600 mg/kg), and SS4 (5,700 mg/kg). Statistical assessment of the dataset against management limits is not appropriate.</p>

AEC	Summary of Results	Exceedances and Further Assessment (where relevant)
		<p>PAH: Benzo(a)pyrene exceeds ecological SAC (0.7 mg/kg) in SS3 (90 mg/kg (110 mg/kg). All exceedances (from TNG wider site) were more than 250% of the SAC, therefore statistical assessment is not appropriate.</p> <p>Benzo(a)pyrene TEQ exceeds human health SAC (3 mg/kg) in SS3 (150 mg/kg), and also exceeds site-specific SAC (40 mg/kg) for the proposed development (commercial/industrial). All exceedances (from TNG wider site) were more than 250% of the SAC, therefore statistical assessment is not appropriate.</p> <p>Total PAHs exceeds human health SAC (300 mg/kg) in SS3 (840 mg/kg). All exceedances (from TNG wider site) were more than 250 % of the SAC, therefore statistical assessment is not appropriate. Site-specific SAC for the proposed development (commercial/industrial) provides amended human health (4,000 mg/kg) which soils from SS3 fall below.</p>

12. Discussion

A total of 16 soil samples were collected from within AECs and from background areas across the site. Of the 16 samples analysed exceedances against SAC were observed in two surface soil samples (SS3 and SS4) taken from the base of power poles (AEC36) exceeded SACs for several compounds including As (SS4), TRH C10 – C16 (SS3, SS4), TRH F3 above the management limit and direct contact (SS3, SS4), benzo(a)pyrene and benzo(a)pyrene TEQ (SS3) and total PAHs (SS3).

12.1 Data Quality Assurance and Quality Control

The data quality assurance and quality control (QA/QC) results are included in Appendix G and have been assessed using the data collected from the DSI undertaken on the wider TNG site. Based on the results of the field QA and field and laboratory QC, and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

12.2 Summary

The findings of the site walkover, field work and laboratory results have been presented in the preceding Sections of this report. The following Table 7 provides a summary of the findings specific to AECs as bore as to the remainder of the site.

Table 7: Summary of the findings of the site walkover and the intrusive investigation.

AEC	AEC Description	Summary of Site Walkover Findings	Summary of Field Observations and Laboratory Results
14	Possible filling	Several stockpiles of organic material including mulch, soil and grass observed. Filling observed near access road including concrete and bricks.	No exceedances observed.
15	Suspected ACM pipe network	ACM observed (pipe and outlet) 10 – 12 m south of AEC.	No testing required – visual assessment only.
16	Suspected ACM pipe network	One fragment of loose ACM observed.	No testing required – visual assessment only.
17	Import of Fill/Fly Tipped Material/possible filling	Fill containing concrete and brick observed on the surface.	No exceedances observed.
36	Timber power poles	All generally in good condition.	Exceedances of Arsenic, TRH, benzo(a)pyrene and total PAHs were recorded for surfaces soils around two of the power poles assessed at the site. It is noted that exceedances of metals, TRH, benzo(a)pyrene, total PAHs and total PCBs have been observed next to power poles from elsewhere across the wider TNG site.

13. Revised Conceptual Site Model

The data collected for this DSI has generally confirmed that certain potential contaminant sources outlined in the CSM provided in Section 7 pose a potentially complete pathway to the identified receptor(s) whilst others do not. No other sources of contamination have been identified as a result of the testing results.

The CSM has therefore been updated from the findings of this DSI – refer to Table 8 below.

Table 8: Updated Summary of Potentially Complete Exposure Pathways (Proposed Land Use)

Source	Transport Pathway	Receptor	Remediation Action Required
AEC 36			
Timber treatment and PCBs in transmission box(es): Metal, TRH, benzo(a)pyrene, total PAHs, total PCBs.	Direct contact of contaminated ground, ingestion and dermal contact with soil or water, inhalation of dust, leaching of contaminants and vertical migration into groundwater, lateral migration of groundwater.	S5	Exceedances of Arsenic, TRH, benzo(a)pyrene and total PAHs were recorded for surface soils around power poles assessed at the site. It is noted that exceedances of metals, TRH, benzo(a)pyrene, total PAHs and total PCBs have been observed next to power poles from elsewhere across the wider TNG site. A targeted assessment of power poles at the site should be undertaken and include delineation of soil conditions surrounding the power poles for all power poles because of the relatively high number of samples observed to exceed SAC, meaning there is the potential that contamination is present elsewhere surrounding the poles even if the sample collected from next to the power pole in this assessment passes the SAC. Alternatively, the assumption could be made that soils surrounding all power poles at the site will require remediation. A RAP will be required to document how remediation and validation works should be undertaken.
AEC 15, 16			
ACM pipe network – asbestos	Inhalation of dust	S6	ACM pipe network to be removed, chased out and validated. Where observed, ACM fragments on the surface should be removed by hand. A Remediation Action Plan (RAP) is required to document the process for the remediation and validation works. There is the potential that an ACM pipe network not observed in this investigation is present at the site.

¹: Hazardous materials building assessment reported under separate cover (reference 86548.07).

14. Conclusions and Recommendations

The scope of this DSI included a review of the SAQP, a detailed site walkover of AECs and an intrusive investigation including test pits in AECs and across the remainder (background) of the site, surface samples from near timber power poles and laboratory analysis.

The site was previously and recently used for primarily pastoral and rural residential land uses. Portions of the wider site have been used for stockpiling of materials and sub-leased (in part) to other parties for storage of such materials.

Soil analytical results have been assessed against SAC and reviewed alongside observations made in the detailed site walkover. The findings of the DSI have established there is no evidence of widespread or significant contamination across the site. Localised contamination in some AECs was observed as requiring further investigation, delineation and/or remediation. These AECs requiring further works are summarised below:

- AEC 36 – Exceedances of Metals (As), TRH, benzo(a)pyrene, and total PAH were recorded for surface soils around the two power poles assessed at the site. It is noted that exceedances of metals, TRH, benzo(a)pyrene, total PAHs and total PCBs have been observed next to power poles from elsewhere across the wider TNG site. It is noted that the number of exceedances observed in this DSI and the DSI for the wider TNG site indicate additional targeted investigations of all power poles will be required around power poles at the site to establish and further define which are suitable to be retained on site and which will require remediation. The additional targeted investigations will include step-out samples around the power poles; and
- ACM Pipe network – an ACM pipe network has been sighted in AECs 15 and 16. ACM pipe network to be removed, chased out and validated. Where observed, ACM fragments on the surface should be removed by hand. A Remediation Action Plan (RAP) is required to document the process for the remediation and validation works.

It is noted that the majority of the observed impact as outlined above are typical of sites in the southwest Sydney region and does not impinge on the suitability of the site for rezoning from a contamination perspective. The above additional works should be undertaken to facilitate the DA process for subdivision.

The site is therefore suitable for rezoning and development from a contamination perspective subject to the above additional investigations and/or remediation works being undertaken prior to subdivision.

A number of stockpiles have been observed across the site, some of which have since been removed. For any remainder soil stockpiles, the UXF protocol should be referred to if asbestos is encountered once these materials are disturbed. A waste classification assessment will be required for off-site disposal for materials that are not pre-classified.

15. References

Bannerman, S.M. and Hazelton, P.A., Soil Landscapes of the Penrith 1:100 000 Sheet, Soil Conservation Service of NSW, dated 1990 (Bannerman et al, 1990).

CRC CARE. (2017). Risk-based Management and Remediation Guidance for Benzo(a)pyrene. Technical Report no. 39: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

DP Report on Soil Assessment, 1984 - 2107 Elizabeth Drive, Badgerys Creek, Project 36288, dated 16 January 2004 (DP 2004).

DP, Report on Geotechnical Land Capability Assessment, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, Project 86548.00.R.001.Rev1, November 2019 (DP 2019a).

DP, Report on Preliminary Site Investigation, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, Project 86548.00.R.002.Rev1, November 2019 (DP 2019b).

DP, Preliminary PFAS Investigation, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, Project 86548.01.R.001, 27 February 2019 (DP 2019c).

DP, Report on Sampling and Analysis Quality Plan, The Northern Gateway, 1953 – 2109 Elizabeth Drive, Badgerys Creek, NSW, Project 86548.03, Rev. 1 (DP, 2020).CRC CARE. (2017). Risk-based Management and Remediation Guidance for Benzo(a)pyrene. Technical Report no. 39: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

NEPC. (2013). National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]. Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (1995). Contaminated Sites, Sampling Design Guidelines. NSW Environment Protection Authority.

NSW EPA. (2020). Guidelines for Consultants Reporting on Contaminated Land. Contaminated Land Guidelines: NSW Environment Protection Authority.

16. Limitations

Douglas Partners Pty Ltd (DP) has prepared this report (or services) for this project that forms part of 1953 – 2109 Elizabeth Drive, Badgerys Creek in accordance with DP's proposal 86548.08.P.001 dated 30 August 2021. The work was carried out under contract with DHL Supply Chain (Australia) Pty Limited. This report is provided for the exclusive use of DHL Supply Chain (Australia) Pty Limited for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after DP's field testing has been completed.

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

The assessment of atypical safety hazards arising from this advice is restricted to the (geotechnical / environmental / groundwater) components set out in this report and based on known project conditions and stated design advice and assumptions. While some recommendations for safe controls may be provided, detailed 'safety in design' assessment is outside the current scope of this report and requires additional project data and assessment.

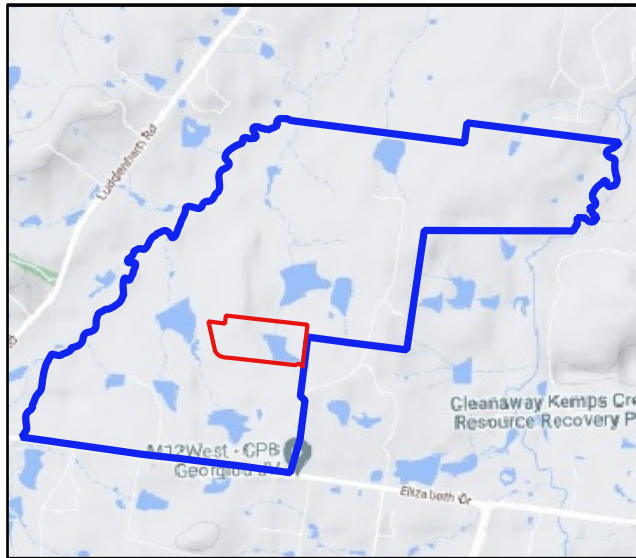
This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.

Douglas Partners Pty Ltd

Appendix A

Drawings 1 and 2
About this Report



- Legend**
- DHL Stage 2
 - DHL Site Boundary
 - The Northern Gateway Boundary (TNG)
 - AECs DHL
 - Timber Power Poles



CLIENT: DHL Supply Chain (Australia) Pty Ltd	
OFFICE: Macarthur	DRAWN BY: LAR
SCALE: As shown	DATE: 30 May 2023

TITLE: Drawing 1 - Site Locality, Layout and AECs
 Detailed Site Investigation
 Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek, NSW



PROJ. #: 86548.20.R.001
DRAWING No: 1
REVISION: 0



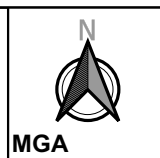
Legend

- ▭ DHL Stage 2
- ▭ DHL Site Boundary
- ▭ The Northern Gateway Boundary (TNG)
- ▭ AECs DHL
- Background Test Pits Locations
- AEC Targeted Test Pit Locations
- Timber Powerpoles (AEC36)
- Asbestos observed

Douglas Partners
 Geotechnics | Environment | Groundwater

CLIENT: DHL Supply Chain (Australia) Pty Ltd	
OFFICE: Macarthur	DRAWN BY: LAR
SCALE: As shown	DATE: 30 May 2023

TITLE: **Drawing 2 - Site Walk Over Observations (AEC 14 to 17) and Test Pit Locations**
Detailed Site Investigation
Part of 1953 - 2109 Elizabeth Drive, Badgerys Creek, NSW



PROJ. #: 86548.20.R.002
DRAWING No: 2
REVISION: 0

About this Report

Douglas Partners



Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Conditions of Engagement for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;

- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

About this Report

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.



Sampling

Sampling is carried out during drilling or test pitting to allow engineering examination (and laboratory testing where required) of the soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and, depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are taken by pushing a thin-walled sample tube into the soil and withdrawing it to obtain a sample of the soil in a relatively undisturbed state. Such samples yield information on structure and strength, and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

Test Pits

Test pits are usually excavated with a backhoe or an excavator, allowing close examination of the in-situ soil if it is safe to enter into the pit. The depth of excavation is limited to about 3 m for a backhoe and up to 6 m for a large excavator. A potential disadvantage of this investigation method is the larger area of disturbance to the site.

Large Diameter Augers

Boreholes can be drilled using a rotating plate or short spiral auger, generally 300 mm or larger in diameter commonly mounted on a standard piling rig. The cuttings are returned to the surface at intervals (generally not more than 0.5 m) and are disturbed but usually unchanged in moisture content. Identification of soil strata is generally much more reliable than with continuous spiral flight augers, and is usually supplemented by occasional undisturbed tube samples.

Continuous Spiral Flight Augers

The borehole is advanced using 90-115 mm diameter continuous spiral flight augers which are withdrawn at intervals to allow sampling or in-situ testing. This is a relatively economical means of drilling in clays and sands above the water table. Samples are returned to the surface, or may be collected after withdrawal of the auger flights, but they are disturbed and may be mixed with soils from the sides of the hole. Information from the drilling (as distinct from specific sampling by SPTs or undisturbed samples) is of relatively low

reliability, due to the remoulding, possible mixing or softening of samples by groundwater.

Non-core Rotary Drilling

The borehole is advanced using a rotary bit, with water or drilling mud being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be determined from the cuttings, together with some information from the rate of penetration. Where drilling mud is used this can mask the cuttings and reliable identification is only possible from separate sampling such as SPTs.

Continuous Core Drilling

A continuous core sample can be obtained using a diamond tipped core barrel, usually with a 50 mm internal diameter. Provided full core recovery is achieved (which is not always possible in weak rocks and granular soils), this technique provides a very reliable method of investigation.

Standard Penetration Tests

Standard penetration tests (SPT) are used as a means of estimating the density or strength of soils and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289, Methods of Testing Soils for Engineering Purposes - Test 6.3.1.

The test is carried out in a borehole by driving a 50 mm diameter split sample tube under the impact of a 63 kg hammer with a free fall of 760 mm. It is normal for the tube to be driven in three successive 150 mm increments and the 'N' value is taken as the number of blows for the last 300 mm. In dense sands, very hard clays or weak rock, the full 450 mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form.

- In the case where full penetration is obtained with successive blow counts for each 150 mm of, say, 4, 6 and 7 as:
4,6,7
N=13
- In the case where the test is discontinued before the full penetration depth, say after 15 blows for the first 150 mm and 30 blows for the next 40 mm as:
15, 30/40 mm

Sampling Methods

The results of the SPT tests can be related empirically to the engineering properties of the soils.

Dynamic Cone Penetrometer Tests / Perth Sand Penetrometer Tests

Dynamic penetrometer tests (DCP or PSP) are carried out by driving a steel rod into the ground using a standard weight of hammer falling a specified distance. As the rod penetrates the soil the number of blows required to penetrate each successive 150 mm depth are recorded. Normally there is a depth limitation of 1.2 m, but this may be extended in certain conditions by the use of extension rods. Two types of penetrometer are commonly used.

- Perth sand penetrometer - a 16 mm diameter flat ended rod is driven using a 9 kg hammer dropping 600 mm (AS 1289, Test 6.3.3). This test was developed for testing the density of sands and is mainly used in granular soils and filling.
- Cone penetrometer - a 16 mm diameter rod with a 20 mm diameter cone end is driven using a 9 kg hammer dropping 510 mm (AS 1289, Test 6.3.2). This test was developed initially for pavement subgrade investigations, and correlations of the test results with California Bearing Ratio have been published by various road authorities.



Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are generally based on Australian Standard AS1726:2017, Geotechnical Site Investigations. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

The soil group symbol classifications are given as follows based on two major soil divisions:

- Coarse-grained soils
- Fine-grained soils

Major Divisions				Description				
				Group Symbol*	Typical Name			
COARSE-GRAINED SOILS	More than 65% by dry mass, (excluding that larger than 63 mm) is greater than 0.075 mm	GRAVEL	More than 50% of coarse grains are greater than 2.36 mm	GW	Well graded gravels and gravel-sand mixtures, little or no fines.			
				GP	Poorly graded gravels and gravel-sand mixtures, little or no fines.			
				GM	Silty gravels, gravel-sand-silt mixtures.			
				GC	Clay gravels, gravel-sand-clay mixtures.			
		SANDY SOILS	More than 50% of coarse grains are less than 2.36 mm	SAND	GRAVELLY SOILS	SW	Well graded sands and gravelly sands, little or no fines.	
						SP	Poorly graded sands and gravelly sands, little or no fines.	
				SANDY SOILS	More than 50% of coarse grains are less than 2.36 mm	SANDY SOILS	SM	Silty sand, sand-silt mixtures.
							SC	Clayey sands, sand-clay mixtures.

* For coarse grained soils where the fines content is between 5% and 12%, the soil shall be given a dual classification eg GP-GM.

FINE-GRAINED SOILS	More than 35% by dry mass, (excluding that larger than 63 mm) is less than 0.075 mm	Liquid Limit less than 35%	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands.	
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.	
			OL	Organic silts and organic silty clays of low plasticity	
		Liquid Limit greater than 50%	35% <LL< 50%	CI	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
				MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
		Liquid Limit greater than 50%	Liquid Limit greater than 50%	OH	Organic clays of medium to high plasticity.
				Pt	Peat muck and other highly organic soils.



Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

Type	Particle size (mm)
Boulder	>200
Cobble	63 - 200
Gravel	2.36 - 63
Sand	0.075 - 2.36
Silt	0.002 - 0.075
Clay	<0.002

The sand and gravel sizes can be further subdivided as follows:

Type	Particle size (mm)
Coarse gravel	19 - 63
Medium gravel	6.7 - 19
Fine gravel	2.36 - 6.7
Coarse sand	0.6 - 2.36
Medium sand	0.21 - 0.6
Fine sand	0.075 - 0.21

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

The proportions of secondary constituents of soils are described as follows:

In fine grained soils (>35% fines)

Term	Proportion of sand or gravel	Example
And	Specify	Clay (60%) and Sand (40%)
Adjective	>30%	Sandy Clay
With	15 - 30%	Clay with sand
Trace	0 - 15%	Clay, trace sand

In coarse grained soils (>65% coarse)

- with clays or silts

Term	Proportion of fines	Example
And	Specify	Sand (70%) and Clay (30%)
Adjective	>12%	Clayey Sand
With	5 - 12%	Sand with clay
Trace	0 - 5%	Sand, trace clay

In coarse grained soils (>65% coarse)

- with coarser fraction

Term	Proportion of coarser fraction	Example
And	Specify	Sand (60%) and Gravel (40%)
Adjective	>30%	Gravelly Sand
With	15 - 30%	Sand with gravel
Trace	0 - 15%	Sand, trace gravel

The presence of cobbles and boulders shall be specifically noted by beginning the description with 'Mix of Soil and Cobbles/Boulders' with the word order indicating the dominant first and the proportion of cobbles and boulders described together.

Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

Description	Abbreviation	Undrained shear strength (kPa)
Very soft	VS	<12
Soft	S	12 - 25
Firm	F	25 - 50
Stiff	St	50 - 100
Very stiff	VSt	100 - 200
Hard	H	>200
Friable	Fr	-

Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

Relative Density	Abbreviation	Density Index (%)
Very loose	VL	<15
Loose	L	15-35
Medium dense	MD	35-65
Dense	D	65-85
Very dense	VD	>85

Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Extremely weathered material – formed from in-situ weathering of geological formations. Has soil strength but retains the structure or fabric of the parent rock;
- Alluvial soil – deposited by streams and rivers;
- Estuarine soil – deposited in coastal estuaries;

- Marine soil – deposited in a marine environment;
- Lacustrine soil – deposited in freshwater lakes;
- Aeolian soil – carried and deposited by wind;
- Colluvial soil – soil and rock debris transported down slopes by gravity;
- Topsoil – mantle of surface soil, often with high levels of organic material.
- Fill – any material which has been moved by man.

Moisture Condition – Coarse Grained Soils

For coarse grained soils the moisture condition should be described by appearance and feel using the following terms:

- Dry (D) Non-cohesive and free-running.
- Moist (M) Soil feels cool, darkened in colour.
Soil tends to stick together.
Sand forms weak ball but breaks easily.
- Wet (W) Soil feels cool, darkened in colour.
Soil tends to stick together, free water forms when handling.

Moisture Condition – Fine Grained Soils

For fine grained soils the assessment of moisture content is relative to their plastic limit or liquid limit, as follows:

- 'Moist, dry of plastic limit' or 'w < PL' (i.e. hard and friable or powdery).
- 'Moist, near plastic limit' or 'w ≈ PL' (i.e. soil can be moulded at moisture content approximately equal to the plastic limit).
- 'Moist, wet of plastic limit' or 'w > PL' (i.e. soils usually weakened and free water forms on the hands when handling).
- 'Wet' or 'w ≈ LL' (i.e. near the liquid limit).
- 'Wet' or 'w > LL' (i.e. wet of the liquid limit).



Rock Strength

Rock strength is defined by the Unconfined Compressive Strength and it refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects.

The Point Load Strength Index $Is_{(50)}$ is commonly used to provide an estimate of the rock strength and site specific correlations should be developed to allow UCS values to be determined. The point load strength test procedure is described by Australian Standard AS4133.4.1-2007. The terms used to describe rock strength are as follows:

Strength Term	Abbreviation	Unconfined Compressive Strength MPa	Point Load Index * $Is_{(50)}$ MPa
Very low	VL	0.6 - 2	0.03 - 0.1
Low	L	2 - 6	0.1 - 0.3
Medium	M	6 - 20	0.3 - 1.0
High	H	20 - 60	1 - 3
Very high	VH	60 - 200	3 - 10
Extremely high	EH	>200	>10

* Assumes a ratio of 20:1 for UCS to $Is_{(50)}$. It should be noted that the UCS to $Is_{(50)}$ ratio varies significantly for different rock types and specific ratios should be determined for each site.

Degree of Weathering

The degree of weathering of rock is classified as follows:

Term	Abbreviation	Description
Residual Soil	RS	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are no longer visible, but the soil has not been significantly transported.
Extremely weathered	XW	Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible
Highly weathered	HW	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is significantly changed by weathering. Some primary minerals have weathered to clay minerals. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores.
Moderately weathered	MW	The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable, but shows little or no change of strength from fresh rock.
Slightly weathered	SW	Rock is partially discoloured with staining or bleaching along joints but shows little or no change of strength from fresh rock.
Fresh	FR	No signs of decomposition or staining.
<i>Note: If HW and MW cannot be differentiated use DW (see below)</i>		
Distinctly weathered	DW	Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching or may be decreased due to deposition of weathered products in pores.

Rock Descriptions

Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

Term	Description
Fragmented	Fragments of <20 mm
Highly Fractured	Core lengths of 20-40 mm with occasional fragments
Fractured	Core lengths of 30-100 mm with occasional shorter and longer sections
Slightly Fractured	Core lengths of 300 mm or longer with occasional sections of 100-300 mm
Unbroken	Core contains very few fractures

Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} > 100 \text{ mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or stronger. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

Term	Separation of Stratification Planes
Thinly laminated	< 6 mm
Laminated	6 mm to 20 mm
Very thinly bedded	20 mm to 60 mm
Thinly bedded	60 mm to 0.2 m
Medium bedded	0.2 m to 0.6 m
Thickly bedded	0.6 m to 2 m
Very thickly bedded	> 2 m

Symbols & Abbreviations

Douglas Partners



Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

Drilling or Excavation Methods

C	Core drilling
R	Rotary drilling
SFA	Spiral flight augers
NMLC	Diamond core - 52 mm dia
NQ	Diamond core - 47 mm dia
HQ	Diamond core - 63 mm dia
PQ	Diamond core - 81 mm dia

Water

▷	Water seep
▽	Water level

Sampling and Testing

A	Auger sample
B	Bulk sample
D	Disturbed sample
E	Environmental sample
U ₅₀	Undisturbed tube sample (50mm)
W	Water sample
pp	Pocket penetrometer (kPa)
PID	Photo ionisation detector
PL	Point load strength Is(50) MPa
S	Standard Penetration Test
V	Shear vane (kPa)

Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

Defect Type

B	Bedding plane
Cs	Clay seam
Cv	Cleavage
Cz	Crushed zone
Ds	Decomposed seam
F	Fault
J	Joint
Lam	Lamination
Pt	Parting
Sz	Sheared Zone
V	Vein

Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

h	horizontal
v	vertical
sh	sub-horizontal
sv	sub-vertical

Coating or Infilling Term

cln	clean
co	coating
he	healed
inf	infilled
stn	stained
ti	tight
vn	veneer

Coating Descriptor

ca	calcite
cbs	carbonaceous
cly	clay
fe	iron oxide
mn	manganese
slt	silty

Shape

cu	curved
ir	irregular
pl	planar
st	stepped
un	undulating

Roughness

po	polished
ro	rough
sl	slickensided
sm	smooth
vr	very rough


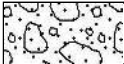
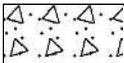

Other

fg	fragmented
bnd	band
qtz	quartz





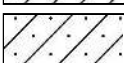
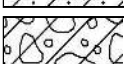
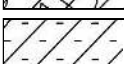

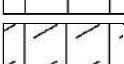
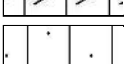
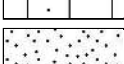
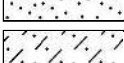
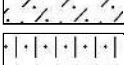
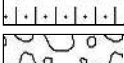
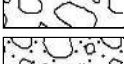


Symbols & Abbreviations

Graphic Symbols for Soil and Rock






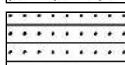


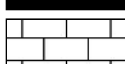
General

	Asphalt
	Road base
	Concrete
	Filling

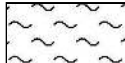
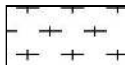
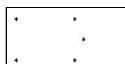
Soils

	Topsoil
	Peat
	Clay
	Silty clay
	Sandy clay
	Gravelly clay
	Shaly clay
	Silt
	Clayey silt
	Sandy silt
	Sand
	Clayey sand
	Silty sand
	Gravel
	Sandy gravel
	Cobbles, boulders
	Talus

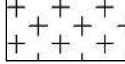

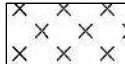
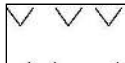
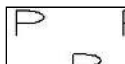
Sedimentary Rocks

	Boulder conglomerate
	Conglomerate
	Conglomeratic sandstone
	Sandstone
	Siltstone
	Laminite
	Mudstone, claystone, shale
	Coal
	Limestone

Metamorphic Rocks

	Slate, phyllite, schist
	Gneiss
	Quartzite

Igneous Rocks

	Granite
	Dolerite, basalt, andesite
	Dacite, epidote
	Tuff, breccia
	Porphyry

Appendix B

Field Work Methodology

Appendix B

Field Work Methodology

B1.0 Guidelines

The following key guidelines were consulted for the field work methodology:

- NEPC National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM] (NEPC, 2013);

B2.0 Soil Sampling

Soil sampling is carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprise:

- Collect soil samples directly from the excavator bucket at the nominated sample depth;
- Collect soil samples from the stockpile(s) from a depth of at least 0.3 m below the stockpile;
- Collect near surface samples using hand tools;
- Transfer samples in laboratory-prepared glass jars with Teflon lined lids by hand, capping immediately and minimising headspace within the sample jar;
- Transfer samples in laboratory-prepared container (specific for PFAS) by hand, capping immediately and minimising headspace within the sample jar;
- Collect replicate samples in zip-lock bags for PID screening;
- Collect ~40 g to 50 g samples in zip-lock bags for asbestos (presence / absence) analysis;
- Wear a new disposable nitrile glove for each sample point thereby minimising potential for cross-contamination;
- Collect 10% replicate samples for QC purposes;
- Label sample containers with individual and unique identification details, including project number, sample location and sample depth (where applicable);
- Place samples into a cooled, insulated and sealed container for transport to the laboratory; and
- Use chain of custody documentation.

B2.1 Field Testing

Field testing is carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprise:

B2.1.1 PID Field Test

- Calibrate the PID with isobutylene gas at 100 ppm and with fresh air prior to commencement of each successive day's field work;
- Allow the headspace in the PID zip-lock bag samples to equilibrate; and
- Screen using the PID.

B3.0 References

ASTM D7663-12. (2018). *Standard Practice for Active Soil Gas Sampling in the Vadose Zone for Vapour Intrusion Evaluations*. 2018 e1 (editorial change to 2012 revision): American Society for Testing and Materials.

HEPA. (2020). *PFAS National Environmental Management Plan (NEMP)*. Version 2.0: Heads of EPAs Australia and New Zealand and Australian Government Department of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Assessment and Management of Hazardous Ground Gases*. NSW Environment Protection Authority.

USEPA. (1999b). *Compendium Method TO-15 Determination of Volatile Organic Compounds (VOCs) In Air Collected in Specially-Prepared Canisters and Analysed By Gas Chromatography Mass Spectrometry (GC/MS)*. United States Environment Protection Agency.

Douglas Partners Pty Ltd

Appendix C

Derivation of Site Assessment Criteria

Appendix C

Derivation of Site Assessment Criteria

C1.0 Introduction

C1.1 Guidelines

The following key guidelines were consulted for deriving the site assessment criteria (SAC):

- NEPC National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM] (NEPC, 2013).
- CRC CARE *Health screening levels for petroleum hydrocarbons in soil and groundwater* (CRC CARE, 2011).

C1.2 General

The SAC applied in the current investigation are informed by the CSM which identified human and environmental receptors to potential contamination at the site. Analytical results are assessed (as a Tier 1 assessment) in the first instance against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The following inputs are relevant to the selection and/or derivation of the SAC:

- Land use: site is proposed to be provide two large scale warehouse facilities, dock offices, hardstand and car parking, and higher order employment.
 - Corresponding to land use category 'D', commercial /industrial such as shops, offices, factories and industrial sites
- Soil type: Dominantly clay.

C2.0 Soils

C2.1 Health Investigation and Screening Levels

The generic health investigation levels (HIL) and health screening levels (HSL) are considered to be appropriate for the assessment of human health risk via all relevant pathways of exposure associated with contamination at the site. The adopted soil HIL and HSL for the contaminants of concern are in Table 1 and Table 2.

Table 1: Health Investigation Levels (mg/kg)

Contaminant	HIL-D
Metals	
Arsenic	3000
Cadmium	900
Chromium (VI)	3600
Copper	240 000
Lead	1500
Mercury (inorganic)	730
Nickel	6000
Zinc	400 000
PAH	
B(a)P TEQ	40
Total PAH	4000
Phenols	
Phenol	240 000
OCP	
DDT+DDE+DDD	3600
Aldrin and dieldrin	45
Chlordane	530
Endosulfan	2000
Endrin	100
Heptachlor	50
HCB	80
Methoxychlor	2500
OPP	
Chlorpyrifos	2000

Contaminant	HIL-D
PCB	
PCB	7

Table 2: Health Screening Levels (mg/kg)

Contaminant	HSL-D	HSL-D	HSL-D	HSL-D
SILT	0 m to <1 m	1 m to <2 m	2 m to <4 m	4 m+
Benzene	4	4	6	10
Toluene	NL	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylenes	NL	NL	NL	NL
Naphthalene	NL	NL	NL	NL
TRH F1	250	360	590	NL
TRH F2	NL	NL	NL	NL
CLAY	0 m to <1 m	1 m to <2 m	2 m to <4 m	4 m+
Benzene	4	6	9	20
Toluene	NL	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylenes	NL	NL	NL	NL
Naphthalene	NL	NL	NL	NL
TRH F1	310	480	NL	NL
TRH F2	NL	NL	NL	NL

Notes: TRH F1 is TRH C₆-C₁₀ minus BTEX

TRH F2 is TRH >C₁₀-C₁₆ minus naphthalene

The soil saturation concentration (C_{sat}) is defined as the soil concentration at which the porewater phase cannot dissolve any more of an individual chemical. The soil vapour that is in equilibrium with the porewater will be at its maximum. If the derived soil HSL exceeds C_{sat}, a soil vapour source concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as 'not limiting' or 'NL'

C2.2 Asbestos in Soil

The HSL for asbestos in soil are based on likely exposure levels for different scenarios published in NEPC (2013) for the following forms of asbestos:

- Bonded asbestos containing material (ACM); and
- Fibrous asbestos and asbestos fines (FA and AF).

The HSL are in Table 3.

Table 3: Health Screening Levels for Asbestos

Form of Asbestos	HSL-D
ACM	0.05%
FA and AF	0.001%
FA and AF and ACM	No visible asbestos for surface soil *

Notes: Surface soils defined as top 10 cm.

* Based on site observations at the sampling points and the analytical results of surface samples.

C2.3 Ecological Investigation Levels

Ecological investigation levels (EIL) and added contaminant limits (ACL), where appropriate, have been derived in NEPC (2013) for arsenic, copper, chromium (III), nickel, lead, zinc, DDT and naphthalene. The adopted EIL, derived using the interactive (excel) calculation spreadsheet on the NEPM toolbox website are shown in Table 4, with inputs into their derivation shown in Table 3.

Table 3: Inputs to the Derivation of the Ecological Investigation Levels

Variable	Input	Rationale
Age of contaminants	"Aged" (>2 years)	Given the potential sources of soil contamination are from historic use, the contamination is considered as aged.
pH	6.6 pH Units	Based on the average of 54 soil analytical results (ranging from 4.6 to 7.8 pH units)
CEC	5.6 cmol _c /kg	Based on analysis of one soil sample from TP 208
Clay content	40 %	The soil at the site was dominantly silty clays
Traffic volumes	low	Majority of the site is not exposed to public road, with the site considered to be located within a low traffic area
State / Territory	NSW	-

Table 4: Ecological Investigation Levels (mg/kg)

Contaminant	EIL-D
Metals	
Arsenic	160
Copper	170

Contaminant	EIL-D
Nickel	75
Chromium III	1100
Lead	1800
Zinc	470
PAH	
Naphthalene	370
OCP	
DDT	640

C2.4 Ecological Screening Levels

Ecological screening levels (ESL) are used to assess the risk of selected petroleum hydrocarbon compounds, BTEX and benzo(a)pyrene to terrestrial ecosystems. The adopted ESL are shown in Table 5.

Table 5: Ecological Screening Levels (mg/kg)

Contaminant	Soil Type	EIL-D
Benzene	Fine	95
Toluene	Fine	135
Ethylbenzene	Fine	185
Xylenes	Fine	95
TRH F1	Coarse/ Fine	215*
TRH F2	Coarse/ Fine	170*
TRH F3	Fine	2500
TRH F4	Fine	6600
B(a)P	Fine	0.7

Notes: ESL are of low reliability except where indicated by * which indicates that the ESL is of moderate reliability
 TRH F1 is TRH C₆-C₁₀ minus BTEX
 TRH F2 is TRH >C₁₀-C₁₆ including naphthalene

In the case of benzo(a)pyrene, any exceedances of the ESL is further assessed against ecological guidance provided in CRC Care Technical Report No. 39 which is 33 mg/kg for urban residential and public open space, and 172 mg/kg for commercial and industrial land use.

C2.5 Ecological Soil Guideline Values

The interim ecological soil guideline values (EGV) derived from Table 3 of HEPA (2020) are in Table 6.

Table 6: Ecological Soil Guideline Values (mg/kg) – All Land Uses

Contaminant	Direct Exposure	Indirect Exposure
PFOS	1	0.01
PFOA	10	NC
PFHxS	NC	NC

Notes: NC no criterion

C2.6 Management Limits

In addition to appropriate consideration and application of the HSL and ESL, there are additional considerations which reflect the nature and properties of petroleum hydrocarbons, including:

- Formation of observable light non-aqueous phase liquids (LNAPL);
- Fire and explosion hazards;
- Effects on buried infrastructure eg: penetration of, or damage to, in-ground services.

The adopted management limits are in Table 7.

Table 7: Management Limits (mg/kg)

Contaminant	Soil Type	ML-D
TRH F1	Fine	800
TRH F2	Fine	1000
TRH F3	Fine	5000
TRH F4	Fine	10 000

Notes: TRH F1 is TRH C₆-C₁₀ including BTEX
 TRH F2 is TRH >C₁₀-C₁₆ including naphthalene

C3.0 References

CRC CARE. (2011). *Health screening levels for petroleum hydrocarbons in soil and groundwater*. Parts 1 to 3, Technical Report No. 10: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

Douglas Partners Pty Ltd

Appendix D

Summary Tables

Appendix E

Test Pit Logs

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 64.7 mAHD
EASTING: 290831
NORTHING: 6250601

PIT No: 383
PROJECT No: 86548.03
DATE: 30/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, mixed gravel, trace rootlets, w<PL		D	0.1								
	0.7	SILTY CLAY CL: medium plasticity, red brown, trace ironstone, w<PL, hard, residual		D	0.5		pp = 580						
	0.7	Pit discontinued at 0.7m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 61.2 mAHD
EASTING: 290722
NORTHING: 6250601

PIT No: 384
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
60	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace mixed gravel and rootlets, w<PL		D	0.1								
	0.6	SILTY CLAY Cl: medium plasticity, red brown, trace ironstone, w<PL, hard, residual		D	0.5		pp = 520						
	0.6	Pit discontinued at 0.6m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 63.3 mAHD
EASTING: 290613
NORTHING: 6250601

PIT No: 385
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
63.3	0.1	TOPSOIL/Silty CLAY CL: low plasticity, brown, mixed gravel, trace sand and rootlets, w<PL, reworked natural		D	0.1													
63.4	0.4	SILTY CLAY Cl: medium plasticity, red brown, w<PL, hard, residual		D	0.5		pp <600											
63.8	0.8	Pit discontinued at 0.8m - limit of investigation																

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Test pit excavated on dam wall

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 67.0 mAHD
EASTING: 290504
NORTHING: 6250601

PIT No: 386
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
67	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1									
	0.6	SILTY CLAY Cl: medium plasticity, red brown, w<PL, hard, residual		D	0.5		pp <600							
	0.6	Pit discontinued at 0.6m - limit of investigation												
68	1													
65	2													
63	3													

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 62.9 mAHD
EASTING: 290395
NORTHING: 6250601

PIT No: 387
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1								
	0.6	SILTY CLAY Cl: medium plasticity, red brown, w<PL, hard, residual		D	0.5		pp = 480						
	0.6	Pit discontinued at 0.6m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 61.1 mAHD
EASTING: 290340
NORTHING: 6250492

PIT No: 401
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
61	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1								
	0.6	SILTY CLAY Cl: medium plasticity, red brown, trace ironstone, w<PL, hard, residual		D	0.5		pp = 570						
	0.6	Pit discontinued at 0.6m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 64.8 mAHD
EASTING: 290449
NORTHING: 6250492

PIT No: 402
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1									
	0.6	SILTY CLAY Cl: medium plasticity, red brown, trace ironstone, w<PL, hard, residual		D	0.5		pp <600							
	0.6	Pit discontinued at 0.6m - limit of investigation												

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 66.5 mAHD
EASTING: 290558
NORTHING: 6250492

PIT No: 403
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1								
	0.7	SILTY CLAY Cl: medium plasticity, red brown, w<PL, hard, residual		D	0.5		pp = 480						
	0.7	Pit discontinued at 0.7m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2


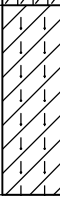
SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 62.5 mAHD
EASTING: 290667
NORTHING: 6250492

PIT No: 404
PROJECT No: 86548.03
DATE: 5/2/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.3	Clayey SILT: brown mottled dark brown and orange, trace rootlets, w<PL, hard		D	0.1								
	0.8	SILTY CLAY: red mottled grey, trace rootlets, w<PL, hard, residual		D	0.5								
	0.8	Pit discontinued at 0.8m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: LOC

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 64.7 mAHD
EASTING: 290776
NORTHING: 6250492

PIT No: 405
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.2	TOPSOIL/Silty CLAY CL: low plasticity, brown, trace rootlets, w<PL		D	0.1								
	0.7	SILTY CLAY Cl: medium plasticity, orange, trace ironstone, w<PL, hard, residual		D	0.5		pp = 480						
	0.7	Pit discontinued at 0.7m - limit of investigation											

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 63.7 mAHD
EASTING: 290754
NORTHING: 6250561

PIT No: 570
PROJECT No: 86548.03
DATE: 29/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)										
				Type	Depth	Sample	Results & Comments		5	10	15	20							
	0.4	FILL/Silty SAND SM: white, trace rootlets, mixed gravel, concrete and brick fragments		D	0.1														
	0.4	SILTY CLAY Cl: medium plasticity, red brown, w<PL, hard, residual		D	0.5		pp = 400												
	1.3	Pit discontinued at 1.3m - limit of investigation																	

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 63.3 mAHD
EASTING: 290882
NORTHING: 6250672

PIT No: 576
PROJECT No: 86548.03
DATE: 30/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)										
				Type	Depth	Sample	Results & Comments		5	10	15	20							
	0.1	FILL/TOPSOIL: Silty CLAY CL, low plasticity, brown, mixed gravel, trace rootlets, w<PL, bricks on surface	X																
	0.2	FILL/Silty CLAY: brown, with mixed gravel, 30-40% porcelain tile fragments, 10-20% brick fragments, <10% terracotta tile fragments, <5% plastic wires	X	D	0.2														
	0.4	SILTY CLAY Cl: medium plasticity, red brown, trace ironstone, w<PL, hard, residual	X	D	0.5		pp <600												
	0.9	Pit discontinued at 0.9m - limit of investigation																	

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

TEST PIT LOG

CLIENT: Cyan Stone Badgerys Creek (Aus) Pty Ltd
PROJECT: The Northern Gateway
LOCATION: 1953 - 2109 Elizabeth Drive
 Badgerys Creek, NSW

SURFACE LEVEL: 65.1 mAHD
EASTING: 290910
NORTHING: 6250638

PIT No: 577
PROJECT No: 86548.03
DATE: 30/1/2020
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
68		FILL/SAWDUST: brown and orange, trace brick fragments, concrete fragments, mulch and rootlets, w<PL		D	0.3													
	0.6	FILL/Sandy Silty CLAY CH: low plasticity, grey, orange and red, trace mixed gravel, rootlets and 2 x brick fragments, w<PL		D	0.8													
	1.1	SILTY CLAY Cl: medium plasticity, orange, trace ironstone, w<PL, hard, residual		D	1.4		pp <600											
	1.6	Pit discontinued at 1.6m - limit of investigation																
	2																	
	3																	

RIG: JCB 4CX backhoe

LOGGED: KLM

SURVEY DATUM: MGA94 Zone 56

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

- Sand Penetrometer AS1289.6.3.3
- Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

Appendix F

Laboratory Analytical Reports and Chain-of-Custody Documentation



CERTIFICATE OF ANALYSIS 235827

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Emily McGinty
Address	18 Waler Crescent, Smeaton Grange, NSW, 2567

Sample Details

Your Reference	86548.03, Badgerys Creek DSI
Number of Samples	161 Soil
Date samples received	03/02/2020
Date completed instructions received	04/02/2020

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	10/02/2020
Date of Issue	10/02/2020

NATA Accreditation Number 2901. This document shall not be reproduced except in full.
Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Asbestos Approved By

Analysed by Asbestos Approved Identifier: Panika Wongchanda
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Diego Bigolin, Team Leader, Inorganics
Josh Williams, Senior Chemist
Loren Bardwell, Senior Chemist
Lucy Zhu, Asbestos Supervisor
Steven Luong, Organics Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-1	235827-3	235827-5	235827-7	235827-9
Your Reference	UNITS	300/0-0.2	323/0-0.2	324/0-0.2	325/0-0.2	326/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	89	85	80	85	93

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-11	235827-13	235827-15	235827-17	235827-19
Your Reference	UNITS	327/0-0.1	328/0-0.1	239/0-0.1	330/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	90	85	88	94	83

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-21	235827-23	235827-25	235827-27	235827-29
Your Reference	UNITS	332/0-0.2	333/0-0.2	334/0-0.2	335/0-0.2	353/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	92	93	88	89	93

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-31	235827-33	235827-35	235827-37	235827-39
Your Reference	UNITS	354/0-0.2	355/0-0.2	356/0-0.2	357/0-0.1	358/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	87	89	93	93	94

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-41	235827-43	235827-45	235827-47	235827-49
Your Reference	UNITS	359/0-0.1	361/0-0.1	364/0-0.1	365/0-0.1	366/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	83	83	88	83	91

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-51	235827-53	235827-55	235827-57	235827-59
Your Reference	UNITS	367/0-0.2	368/0-0.1	369/0-0.1	370/0-0.1	384/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	88	76	79	79	81

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-61	235827-63	235827-65	235827-67	235827-69
Your Reference	UNITS	385/0-0.1	386/0-0.1	387/0-0.1	388/0-0.1	389/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	83	74	88	78	85

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-71	235827-73	235827-75	235827-77	235827-79
Your Reference	UNITS	390/0-0.1	391/0-0.1	392/0-0.1	393/0-0.1	394/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	87	83	74	78	76

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-81	235827-83	235827-84	235827-86	235827-88
Your Reference	UNITS	395/0-0.1	399/0-0.1	400/0-0.1	401/0-0.1	402/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	77	78	83	82	82

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-90	235827-92	235827-94	235827-96	235827-98
Your Reference	UNITS	403/0-0.1	405/0-0.1	406/0-0.1	407/0-0.1	408/0-0.2
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	83	72	72	84	80

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-100	235827-102	235827-104	235827-106	235827-108
Your Reference	UNITS	409/0-0.1	410/0-0.1	411/0-0.1	412/0-0.1	413/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	83	77	84	83	82

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-110	235827-112	235827-114	235827-116	235827-118
Your Reference	UNITS	426/0-0.2	427/0-0.1	428/0-0.1	429/0-0.1	430/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	71	78	74	85	68

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-120	235827-122	235827-124	235827-126	235827-128
Your Reference	UNITS	569/0-0.1	570/0-0.1	571/0-0.2	573/0-0.1	BD1/280120
Date Sampled		29/01/2020	29/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	85	82	79	77	80

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		235827-130	235827-131	235827-157	235827-158	235827-159
Your Reference	UNITS	BD1/290120	BD2/290120	SS1/0.05	SS2	SS3
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	81	81	79	85	77

vTRH(C6-C10)/BTEXN in Soil		
Our Reference		235827-160
Your Reference	UNITS	SS4/0.02
Date Sampled		29/01/2020
Type of sample		Soil
Date extracted	-	05/02/2020
Date analysed	-	06/02/2020
TRH C ₆ - C ₉	mg/kg	<25
TRH C ₆ - C ₁₀	mg/kg	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
naphthalene	mg/kg	<1
Total +ve Xylenes	mg/kg	<3
Surrogate aaa-Trifluorotoluene	%	72

svTRH (C10-C40) in Soil						
Our Reference		235827-1	235827-3	235827-5	235827-7	235827-9
Your Reference	UNITS	300/0-0.2	323/0-0.2	324/0-0.2	325/0-0.2	326/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	07/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	85	103	95	102

svTRH (C10-C40) in Soil						
Our Reference		235827-11	235827-13	235827-15	235827-17	235827-19
Your Reference	UNITS	327/0-0.1	328/0-0.1	239/0-0.1	330/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	105	103	91	91

svTRH (C10-C40) in Soil						
Our Reference		235827-21	235827-23	235827-25	235827-27	235827-29
Your Reference	UNITS	332/0-0.2	333/0-0.2	334/0-0.2	335/0-0.2	353/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	90	92	90	103	91

svTRH (C10-C40) in Soil						
Our Reference		235827-31	235827-33	235827-35	235827-37	235827-39
Your Reference	UNITS	354/0-0.2	355/0-0.2	356/0-0.2	357/0-0.1	358/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	101	100	103	87

svTRH (C10-C40) in Soil						
Our Reference		235827-41	235827-43	235827-45	235827-47	235827-49
Your Reference	UNITS	359/0-0.1	361/0-0.1	364/0-0.1	365/0-0.1	366/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	92	102	92	101	94

svTRH (C10-C40) in Soil						
Our Reference		235827-51	235827-53	235827-55	235827-57	235827-59
Your Reference	UNITS	367/0-0.2	368/0-0.1	369/0-0.1	370/0-0.1	384/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	93	89	90	102	90

svTRH (C10-C40) in Soil						
Our Reference		235827-61	235827-63	235827-65	235827-67	235827-69
Your Reference	UNITS	385/0-0.1	386/0-0.1	387/0-0.1	388/0-0.1	389/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	103	90	91	104	103

svTRH (C10-C40) in Soil						
Our Reference		235827-71	235827-73	235827-75	235827-77	235827-79
Your Reference	UNITS	390/0-0.1	391/0-0.1	392/0-0.1	393/0-0.1	394/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	91	98	98	102	103

svTRH (C10-C40) in Soil						
Our Reference		235827-81	235827-83	235827-84	235827-86	235827-88
Your Reference	UNITS	395/0-0.1	399/0-0.1	400/0-0.1	401/0-0.1	402/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	99	101	101	102	102

svTRH (C10-C40) in Soil						
Our Reference		235827-90	235827-92	235827-94	235827-96	235827-98
Your Reference	UNITS	403/0-0.1	405/0-0.1	406/0-0.1	407/0-0.1	408/0-0.2
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	102	110	102	101	102

svTRH (C10-C40) in Soil						
Our Reference		235827-100	235827-102	235827-104	235827-106	235827-108
Your Reference	UNITS	409/0-0.1	410/0-0.1	411/0-0.1	412/0-0.1	413/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	99	99	99	100

svTRH (C10-C40) in Soil						
Our Reference		235827-110	235827-112	235827-114	235827-116	235827-118
Your Reference	UNITS	426/0-0.2	427/0-0.1	428/0-0.1	429/0-0.1	430/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	103	98	110	101

svTRH (C10-C40) in Soil						
Our Reference		235827-120	235827-122	235827-124	235827-126	235827-128
Your Reference	UNITS	569/0-0.1	570/0-0.1	571/0-0.2	573/0-0.1	BD1/280120
Date Sampled		29/01/2020	29/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	103	100	102	99

svTRH (C10-C40) in Soil						
Our Reference		235827-130	235827-131	235827-157	235827-158	235827-159
Your Reference	UNITS	BD1/290120	BD2/290120	SS1/0.05	SS2	SS3
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	65	100
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	2,200	2,500	4,200
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	1,700	1,600	3,000
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	78	110	200
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	78	110	200
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	3,700	4,000	6,600
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	440	390	730
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	4,200	4,500	7,600
Surrogate o-Terphenyl	%	97	101	127	#	#

svTRH (C10-C40) in Soil		
Our Reference		235827-160
Your Reference	UNITS	SS4/0.02
Date Sampled		29/01/2020
Type of sample		Soil
Date extracted	-	05/02/2020
Date analysed	-	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	86
TRH C ₁₅ - C ₂₈	mg/kg	3,500
TRH C ₂₉ - C ₃₆	mg/kg	2,600
TRH >C ₁₀ -C ₁₆	mg/kg	160
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	160
TRH >C ₁₆ -C ₃₄	mg/kg	5,700
TRH >C ₃₄ -C ₄₀	mg/kg	640
Total +ve TRH (>C10-C40)	mg/kg	6,500
Surrogate o-Terphenyl	%	#

PAHs in Soil						
Our Reference		235827-3	235827-7	235827-11	235827-15	235827-19
Your Reference	UNITS	323/0-0.2	325/0-0.2	327/0-0.1	239/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	132	131	128	126	128

PAHs in Soil						
Our Reference		235827-23	235827-27	235827-29	235827-33	235827-37
Your Reference	UNITS	333/0-0.2	335/0-0.2	353/0-0.1	355/0-0.2	357/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	129	129	124	126	124

PAHs in Soil						
Our Reference		235827-41	235827-43	235827-47	235827-51	235827-55
Your Reference	UNITS	359/0-0.1	361/0-0.1	365/0-0.1	367/0-0.2	369/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	28/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	130	127	124	128	128

PAHs in Soil						
Our Reference		235827-61	235827-65	235827-69	235827-73	235827-77
Your Reference	UNITS	385/0-0.1	387/0-0.1	389/0-0.1	391/0-0.1	393/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	125	122	126	122	127

PAHs in Soil						
Our Reference		235827-81	235827-83	235827-86	235827-90	235827-94
Your Reference	UNITS	395/0-0.1	399/0-0.1	401/0-0.1	403/0-0.1	406/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	124	123	123	123	123

PAHs in Soil						
Our Reference		235827-98	235827-104	235827-108	235827-110	235827-112
Your Reference	UNITS	408/0-0.2	411/0-0.1	413/0-0.1	426/0-0.2	427/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	124	121	127	120	121

PAHs in Soil						
Our Reference		235827-114	235827-116	235827-118	235827-122	235827-157
Your Reference	UNITS	428/0-0.1	429/0-0.1	430/0-0.1	570/0-0.1	SS1/0.05
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	12
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	1.6
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	3.0
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	6.3
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	25
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	38
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	59
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	140
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	320
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	120
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	49
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	19
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	46
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	830
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	180
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	180
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	180
Surrogate <i>p</i> -Terphenyl-d14	%	125	124	123	123	#

PAHs in Soil		
Our Reference		235827-159
Your Reference	UNITS	SS3
Date Sampled		29/01/2020
Type of sample		Soil
Date extracted	-	05/02/2020
Date analysed	-	07/02/2020
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	8.0
Acenaphthene	mg/kg	1.5
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	3.0
Anthracene	mg/kg	8.0
Fluoranthene	mg/kg	46
Pyrene	mg/kg	66
Benzo(a)anthracene	mg/kg	78
Chrysene	mg/kg	140
Benzo(b,j+k)fluoranthene	mg/kg	300
Benzo(a)pyrene	mg/kg	90
Indeno(1,2,3-c,d)pyrene	mg/kg	42
Dibenzo(a,h)anthracene	mg/kg	16
Benzo(g,h,i)perylene	mg/kg	38
Total +ve PAH's	mg/kg	840
Benzo(a)pyrene TEQ calc (zero)	mg/kg	150
Benzo(a)pyrene TEQ calc(half)	mg/kg	150
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	150
Surrogate <i>p</i> -Terphenyl-d14	%	#

Organochlorine Pesticides in soil						
Our Reference		235827-3	235827-7	235827-11	235827-15	235827-19
Your Reference	UNITS	323/0-0.2	325/0-0.2	327/0-0.1	239/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	124	119	123	114	121

Organochlorine Pesticides in soil						
Our Reference		235827-23	235827-27	235827-29	235827-33	235827-37
Your Reference	UNITS	333/0-0.2	335/0-0.2	353/0-0.1	355/0-0.2	357/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	121	122	122	130	120

Organochlorine Pesticides in soil						
Our Reference		235827-41	235827-43	235827-47	235827-51	235827-55
Your Reference	UNITS	359/0-0.1	361/0-0.1	365/0-0.1	367/0-0.2	369/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	28/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	117	124	123	125	119

Organochlorine Pesticides in soil						
Our Reference		235827-61	235827-65	235827-69	235827-73	235827-77
Your Reference	UNITS	385/0-0.1	387/0-0.1	389/0-0.1	391/0-0.1	393/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	122	118	121	126	121

Organochlorine Pesticides in soil						
Our Reference		235827-81	235827-83	235827-86	235827-90	235827-94
Your Reference	UNITS	395/0-0.1	399/0-0.1	401/0-0.1	403/0-0.1	406/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	120	117	120	115	120

Organochlorine Pesticides in soil						
Our Reference		235827-98	235827-104	235827-108	235827-110	235827-112
Your Reference	UNITS	408/0-0.2	411/0-0.1	413/0-0.1	426/0-0.2	427/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	117	118	128	118	123

Organochlorine Pesticides in soil						
Our Reference		235827-114	235827-116	235827-118	235827-120	235827-122
Your Reference	UNITS	428/0-0.1	429/0-0.1	430/0-0.1	569/0-0.1	570/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	116	117	116	119	114

Organochlorine Pesticides in soil					
Our Reference		235827-124	235827-126	235827-157	235827-159
Your Reference	UNITS	571/0-0.2	573/0-0.1	SS1/0.05	SS3
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-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
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDT	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	%	108	107	102	113

Organophosphorus Pesticides in Soil						
Our Reference		235827-3	235827-7	235827-11	235827-15	235827-19
Your Reference	UNITS	323/0-0.2	325/0-0.2	327/0-0.1	239/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	124	119	123	114	121

Organophosphorus Pesticides in Soil						
Our Reference		235827-23	235827-27	235827-29	235827-33	235827-37
Your Reference	UNITS	333/0-0.2	335/0-0.2	353/0-0.1	355/0-0.2	357/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	121	122	122	130	120

Organophosphorus Pesticides in Soil						
Our Reference		235827-41	235827-43	235827-47	235827-51	235827-55
Your Reference	UNITS	359/0-0.1	361/0-0.1	365/0-0.1	367/0-0.2	369/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	28/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	117	124	123	125	119

Organophosphorus Pesticides in Soil						
Our Reference		235827-61	235827-65	235827-69	235827-73	235827-77
Your Reference	UNITS	385/0-0.1	387/0-0.1	389/0-0.1	391/0-0.1	393/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	122	118	121	126	121

Organophosphorus Pesticides in Soil						
Our Reference		235827-81	235827-83	235827-86	235827-90	235827-94
Your Reference	UNITS	395/0-0.1	399/0-0.1	401/0-0.1	403/0-0.1	406/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	120	117	120	115	120

Organophosphorus Pesticides in Soil						
Our Reference		235827-98	235827-104	235827-108	235827-110	235827-112
Your Reference	UNITS	408/0-0.2	411/0-0.1	413/0-0.1	426/0-0.2	427/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	117	118	128	118	123

Organophosphorus Pesticides in Soil						
Our Reference		235827-114	235827-116	235827-118	235827-120	235827-122
Your Reference	UNITS	428/0-0.1	429/0-0.1	430/0-0.1	569/0-0.1	570/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	116	117	116	119	114

Organophosphorus Pesticides in Soil					
Our Reference		235827-124	235827-126	235827-157	235827-159
Your Reference	UNITS	571/0-0.2	573/0-0.1	SS1/0.05	SS3
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Ronnel	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
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	108	107	102	113

PCBs in Soil						
Our Reference		235827-3	235827-7	235827-11	235827-15	235827-19
Your Reference	UNITS	323/0-0.2	325/0-0.2	327/0-0.1	239/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	124	119	123	114	121

PCBs in Soil						
Our Reference		235827-23	235827-27	235827-29	235827-33	235827-37
Your Reference	UNITS	333/0-0.2	335/0-0.2	353/0-0.1	355/0-0.2	357/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	121	122	122	130	120

PCBs in Soil						
Our Reference		235827-41	235827-43	235827-47	235827-51	235827-55
Your Reference	UNITS	359/0-0.1	361/0-0.1	365/0-0.1	367/0-0.2	369/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	28/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	117	124	123	125	119

PCBs in Soil						
Our Reference		235827-61	235827-65	235827-69	235827-73	235827-77
Your Reference	UNITS	385/0-0.1	387/0-0.1	389/0-0.1	391/0-0.1	393/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	122	118	121	126	121

PCBs in Soil						
Our Reference		235827-81	235827-83	235827-86	235827-90	235827-94
Your Reference	UNITS	395/0-0.1	399/0-0.1	401/0-0.1	403/0-0.1	406/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	120	117	120	115	120

PCBs in Soil						
Our Reference		235827-98	235827-104	235827-108	235827-110	235827-112
Your Reference	UNITS	408/0-0.2	411/0-0.1	413/0-0.1	426/0-0.2	427/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	117	118	128	118	123

PCBs in Soil						
Our Reference		235827-114	235827-116	235827-118	235827-120	235827-122
Your Reference	UNITS	428/0-0.1	429/0-0.1	430/0-0.1	569/0-0.1	570/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
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 TCMX	%	116	117	116	119	114

PCBs in Soil					
Our Reference		235827-124	235827-126	235827-157	235827-159
Your Reference	UNITS	571/0-0.2	573/0-0.1	SS1/0.05	SS3
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	108	107	102	113

Acid Extractable metals in soil						
Our Reference		235827-1	235827-3	235827-5	235827-7	235827-9
Your Reference	UNITS	300/0-0.2	323/0-0.2	324/0-0.2	325/0-0.2	326/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	<4	7	6	9	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	8	25	18	25	13
Copper	mg/kg	11	4	11	8	4
Lead	mg/kg	12	14	16	16	12
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	9	3	5	6	3
Zinc	mg/kg	20	7	17	13	3

Acid Extractable metals in soil						
Our Reference		235827-11	235827-13	235827-15	235827-17	235827-19
Your Reference	UNITS	327/0-0.1	328/0-0.1	239/0-0.1	330/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	5	4	5	5	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	11	12	12	10	11
Copper	mg/kg	7	16	11	10	7
Lead	mg/kg	15	15	15	15	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	4	7	7	4	3
Zinc	mg/kg	7	26	22	16	9

Acid Extractable metals in soil						
Our Reference		235827-21	235827-23	235827-25	235827-27	235827-29
Your Reference	UNITS	332/0-0.2	333/0-0.2	334/0-0.2	335/0-0.2	353/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	4	8	8	7	9
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	14	24	20	22	23
Copper	mg/kg	5	7	9	8	11
Lead	mg/kg	14	18	14	12	19
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3	4	4	5	7
Zinc	mg/kg	5	11	10	13	17

Acid Extractable metals in soil						
Our Reference		235827-31	235827-33	235827-35	235827-37	235827-39
Your Reference	UNITS	354/0-0.2	355/0-0.2	356/0-0.2	357/0-0.1	358/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	9	7	8	9	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	22	20	29	25	11
Copper	mg/kg	14	18	8	9	9
Lead	mg/kg	18	15	17	17	15
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	11	8	6	4	4
Zinc	mg/kg	38	29	15	15	11

Acid Extractable metals in soil						
Our Reference		235827-41	235827-43	235827-45	235827-47	235827-49
Your Reference	UNITS	359/0-0.1	361/0-0.1	364/0-0.1	365/0-0.1	366/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	8	<4	5	10	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	21	11	10	26	17
Copper	mg/kg	14	11	14	19	26
Lead	mg/kg	22	14	12	21	21
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	8	2	13	22
Zinc	mg/kg	22	25	9	43	72

Acid Extractable metals in soil						
Our Reference		235827-51	235827-53	235827-55	235827-57	235827-59
Your Reference	UNITS	367/0-0.2	368/0-0.1	369/0-0.1	370/0-0.1	384/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	11	6	8	9	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	12	16	17	19	14
Copper	mg/kg	12	17	18	17	22
Lead	mg/kg	14	16	41	22	15
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	6	10	12	11	6
Zinc	mg/kg	27	41	36	35	25

Acid Extractable metals in soil						
Our Reference		235827-61	235827-63	235827-65	235827-67	235827-69
Your Reference	UNITS	385/0-0.1	386/0-0.1	387/0-0.1	388/0-0.1	389/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	7	8	6	8	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	18	22	14	24	12
Copper	mg/kg	13	25	20	15	10
Lead	mg/kg	14	23	16	20	16
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	4	16	9	8	4
Zinc	mg/kg	16	59	36	28	13

Acid Extractable metals in soil						
Our Reference		235827-71	235827-73	235827-75	235827-77	235827-79
Your Reference	UNITS	390/0-0.1	391/0-0.1	392/0-0.1	393/0-0.1	394/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	6	7	8	6	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	21	25	27	23	15
Copper	mg/kg	8	9	10	10	11
Lead	mg/kg	17	16	20	20	18
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	6	8	6	7
Zinc	mg/kg	15	13	23	34	25

Acid Extractable metals in soil						
Our Reference		235827-81	235827-83	235827-84	235827-86	235827-88
Your Reference	UNITS	395/0-0.1	399/0-0.1	400/0-0.1	401/0-0.1	402/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	6	7	8	10	11
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	14	17	23	19
Copper	mg/kg	13	20	16	9	15
Lead	mg/kg	18	19	18	18	25
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	15	8	7	11
Zinc	mg/kg	19	45	35	26	50

Acid Extractable metals in soil						
Our Reference		235827-90	235827-92	235827-94	235827-96	235827-98
Your Reference	UNITS	403/0-0.1	405/0-0.1	406/0-0.1	407/0-0.1	408/0-0.2
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	6	7	8	8	4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	14	17	19	20
Copper	mg/kg	20	22	12	16	34
Lead	mg/kg	20	16	19	21	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	10	13	11	8	94
Zinc	mg/kg	35	63	44	34	39

Client Reference: 86548.03, Badgerys Creek DSI

Acid Extractable metals in soil						
Our Reference		235827-100	235827-102	235827-104	235827-106	235827-108
Your Reference	UNITS	409/0-0.1	410/0-0.1	411/0-0.1	412/0-0.1	413/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	5	8	7	9	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	14	18	14	16	10
Copper	mg/kg	24	20	16	20	18
Lead	mg/kg	19	24	21	19	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	18	14	12	12	4
Zinc	mg/kg	46	42	28	47	20

Acid Extractable metals in soil						
Our Reference		235827-110	235827-112	235827-114	235827-116	235827-118
Your Reference	UNITS	426/0-0.2	427/0-0.1	428/0-0.1	429/0-0.1	430/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	5	8	7	11	9
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	3	17	13	17	20
Copper	mg/kg	19	15	16	16	18
Lead	mg/kg	8	19	18	20	20
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	4	6	8	12	8
Zinc	mg/kg	22	32	24	50	31

Client Reference: 86548.03, Badgerys Creek DSI

Acid Extractable metals in soil						
Our Reference		235827-120	235827-122	235827-124	235827-126	235827-128
Your Reference	UNITS	569/0-0.1	570/0-0.1	571/0-0.2	573/0-0.1	BD1/280120
Date Sampled		29/01/2020	29/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	10	<4	4	7	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	27	10	10	19	25
Copper	mg/kg	11	5	26	14	9
Lead	mg/kg	14	8	14	17	18
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	9	4	14	8	6
Zinc	mg/kg	22	15	83	25	16

Acid Extractable metals in soil						
Our Reference		235827-130	235827-131	235827-157	235827-158	235827-159
Your Reference	UNITS	BD1/290120	BD2/290120	SS1/0.05	SS2	SS3
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Arsenic	mg/kg	6	5	220	79	10
Cadmium	mg/kg	<0.4	<0.4	0.6	<0.4	<0.4
Chromium	mg/kg	19	5	79	61	16
Copper	mg/kg	10	18	110	61	29
Lead	mg/kg	16	8	16	16	16
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	3	7	4	7
Zinc	mg/kg	13	18	160	62	160

Acid Extractable metals in soil		
Our Reference		235827-160
Your Reference	UNITS	SS4/0.02
Date Sampled		29/01/2020
Type of sample		Soil
Date prepared	-	05/02/2020
Date analysed	-	05/02/2020
Arsenic	mg/kg	150
Cadmium	mg/kg	<0.4
Chromium	mg/kg	48
Copper	mg/kg	56
Lead	mg/kg	17
Mercury	mg/kg	<0.1
Nickel	mg/kg	10
Zinc	mg/kg	110

Misc Soil - Inorg						
Our Reference		235827-37	235827-55	235827-65	235827-83	235827-104
Your Reference	UNITS	357/0-0.1	369/0-0.1	387/0-0.1	399/0-0.1	411/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	5/02/2020	5/02/2020	5/02/2020	5/02/2020	5/02/2020
Date analysed	-	5/02/2020	5/02/2020	5/02/2020	5/02/2020	5/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg				
Our Reference		235827-122	235827-157	235827-159
Your Reference	UNITS	570/0-0.1	SS1/0.05	SS3
Date Sampled		29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil
Date prepared	-	5/02/2020	5/02/2020	5/02/2020
Date analysed	-	5/02/2020	5/02/2020	5/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5

Moisture						
Our Reference		235827-1	235827-3	235827-5	235827-7	235827-9
Your Reference	UNITS	300/0-0.2	323/0-0.2	324/0-0.2	325/0-0.2	326/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	12	4.8	9.7	10	7.8

Moisture						
Our Reference		235827-11	235827-13	235827-15	235827-17	235827-19
Your Reference	UNITS	327/0-0.1	328/0-0.1	239/0-0.1	330/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	7.2	12	8.7	8.5	8.2

Moisture						
Our Reference		235827-21	235827-23	235827-25	235827-27	235827-29
Your Reference	UNITS	332/0-0.2	333/0-0.2	334/0-0.2	335/0-0.2	353/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	6.6	7.9	9.9	6.9	8.6

Moisture						
Our Reference		235827-31	235827-33	235827-35	235827-37	235827-39
Your Reference	UNITS	354/0-0.2	355/0-0.2	356/0-0.2	357/0-0.1	358/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	7.6	10	7.9	5.7	9.2

Moisture						
Our Reference		235827-41	235827-43	235827-45	235827-47	235827-49
Your Reference	UNITS	359/0-0.1	361/0-0.1	364/0-0.1	365/0-0.1	366/0-0.2
Date Sampled		28/01/2020	28/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	5.9	7.8	6.5	15	12

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		235827-51	235827-53	235827-55	235827-57	235827-59
Your Reference	UNITS	367/0-0.2	368/0-0.1	369/0-0.1	370/0-0.1	384/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	7.1	9.5	9.9	10	11

Moisture						
Our Reference		235827-61	235827-63	235827-65	235827-67	235827-69
Your Reference	UNITS	385/0-0.1	386/0-0.1	387/0-0.1	388/0-0.1	389/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	5.0	8.9	8.7	9.3	10

Moisture						
Our Reference		235827-71	235827-73	235827-75	235827-77	235827-79
Your Reference	UNITS	390/0-0.1	391/0-0.1	392/0-0.1	393/0-0.1	394/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	8.6	8.1	11	18	11

Moisture						
Our Reference		235827-81	235827-83	235827-84	235827-86	235827-88
Your Reference	UNITS	395/0-0.1	399/0-0.1	400/0-0.1	401/0-0.1	402/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	12	11	10	7.3	6.4

Moisture						
Our Reference		235827-90	235827-92	235827-94	235827-96	235827-98
Your Reference	UNITS	403/0-0.1	405/0-0.1	406/0-0.1	407/0-0.1	408/0-0.2
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	7.8	9.2	9.1	9.9	14

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		235827-100	235827-102	235827-104	235827-106	235827-108
Your Reference	UNITS	409/0-0.1	410/0-0.1	411/0-0.1	412/0-0.1	413/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	10	10	11	9.2	9.6

Moisture						
Our Reference		235827-110	235827-112	235827-114	235827-116	235827-118
Your Reference	UNITS	426/0-0.2	427/0-0.1	428/0-0.1	429/0-0.1	430/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	6.1	7.4	9.2	6.8	8.5

Moisture						
Our Reference		235827-120	235827-122	235827-124	235827-126	235827-128
Your Reference	UNITS	569/0-0.1	570/0-0.1	571/0-0.2	573/0-0.1	BD1/280120
Date Sampled		29/01/2020	29/01/2020	28/01/2020	29/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	4.5	1.8	12	6.2	8.0

Moisture						
Our Reference		235827-130	235827-131	235827-157	235827-158	235827-159
Your Reference	UNITS	BD1/290120	BD2/290120	SS1/0.05	SS2	SS3
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	05/02/2020	05/02/2020	05/02/2020	05/02/2020	05/02/2020
Date analysed	-	06/02/2020	06/02/2020	06/02/2020	06/02/2020	06/02/2020
Moisture	%	9.8	5.7	5.5	2.0	5.2

Moisture		
Our Reference		235827-160
Your Reference	UNITS	SS4/0.02
Date Sampled		29/01/2020
Type of sample		Soil
Date prepared	-	05/02/2020
Date analysed	-	06/02/2020
Moisture	%	7.2

Asbestos ID - soils						
Our Reference		235827-3	235827-7	235827-11	235827-15	235827-19
Your Reference	UNITS	323/0-0.2	325/0-0.2	327/0-0.1	239/0-0.1	331/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 25g	Approx. 30g	Approx. 25g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		235827-23	235827-27	235827-29	235827-33	235827-37
Your Reference	UNITS	333/0-0.2	335/0-0.2	353/0-0.1	355/0-0.2	357/0-0.1
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 35g	Approx. 30g	Approx. 30g	Approx. 30g
Sample Description	-	Brown fine-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		235827-41	235827-43	235827-47	235827-51	235827-55
Your Reference	UNITS	359/0-0.1	361/0-0.1	365/0-0.1	367/0-0.2	369/0-0.1
Date Sampled		28/01/2020	28/01/2020	29/01/2020	28/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		235827-61	235827-65	235827-69	235827-73	235827-77
Your Reference	UNITS	385/0-0.1	387/0-0.1	389/0-0.1	391/0-0.1	393/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g
Sample Description	-	Brown clayey soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		235827-81	235827-83	235827-86	235827-90	235827-94
Your Reference	UNITS	395/0-0.1	399/0-0.1	401/0-0.1	403/0-0.1	406/0-0.1
Date Sampled		28/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		235827-98	235827-104	235827-108	235827-110	235827-112
Your Reference	UNITS	408/0-0.2	411/0-0.1	413/0-0.1	426/0-0.2	427/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 35g	Approx. 30g	Approx. 30g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Red clayey soil & rocks	Beige clayey soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		235827-114	235827-116	235827-118	235827-120	235827-122
Your Reference	UNITS	428/0-0.1	429/0-0.1	430/0-0.1	569/0-0.1	570/0-0.1
Date Sampled		29/01/2020	29/01/2020	29/01/2020	29/01/2020	29/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	08/02/2020	08/02/2020	08/02/2020	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 30g	Approx. 35g	Approx. 35g	Approx. 35g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown clayey soil & rocks	Brown coarse-grained soil & rocks	White 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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils			
Our Reference		235827-124	235827-126
Your Reference	UNITS	571/0-0.2	573/0-0.1
Date Sampled		28/01/2020	29/01/2020
Type of sample		Soil	Soil
Date analysed	-	08/02/2020	08/02/2020
Sample mass tested	g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
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.
AT-008	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
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-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.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.
Org-012/017	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS and/or GC-MS/MS. 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.

Method ID	Methodology Summary
Org-012/017	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> 1. 'EQ 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. 'EQ 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. 'EQ 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. <p>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.</p>
Org-014	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.</p>
Org-016	<p>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.</p>
Org-016	<p>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.</p> <p>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.</p>

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			06/02/2020	3	06/02/2020	06/02/2020		06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	<25	3	<25	<25	0	90	83
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	<25	3	<25	<25	0	90	83
Benzene	mg/kg	0.2	Org-016	<0.2	3	<0.2	<0.2	0	82	79
Toluene	mg/kg	0.5	Org-016	<0.5	3	<0.5	<0.5	0	88	87
Ethylbenzene	mg/kg	1	Org-016	<1	3	<1	<1	0	91	83
m+p-xylene	mg/kg	2	Org-016	<2	3	<2	<2	0	94	84
o-Xylene	mg/kg	1	Org-016	<1	3	<1	<1	0	93	81
naphthalene	mg/kg	1	Org-014	<1	3	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	87	3	85	88	3	84	77

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	06/02/2020	06/02/2020		06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	29	<25	<25	0	102	86
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	29	<25	<25	0	102	86
Benzene	mg/kg	0.2	Org-016	[NT]	29	<0.2	<0.2	0	94	81
Toluene	mg/kg	0.5	Org-016	[NT]	29	<0.5	<0.5	0	100	85
Ethylbenzene	mg/kg	1	Org-016	[NT]	29	<1	<1	0	105	88
m+p-xylene	mg/kg	2	Org-016	[NT]	29	<2	<2	0	106	89
o-Xylene	mg/kg	1	Org-016	[NT]	29	<1	<1	0	104	87
naphthalene	mg/kg	1	Org-014	[NT]	29	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	29	93	83	11	93	75

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	06/02/2020	06/02/2020		06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	51	<25	<25	0	106	97
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	51	<25	<25	0	106	97
Benzene	mg/kg	0.2	Org-016	[NT]	51	<0.2	<0.2	0	95	92
Toluene	mg/kg	0.5	Org-016	[NT]	51	<0.5	<0.5	0	102	91
Ethylbenzene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	109	100
m+p-xylene	mg/kg	2	Org-016	[NT]	51	<2	<2	0	111	101
o-Xylene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	107	98
naphthalene	mg/kg	1	Org-014	[NT]	51	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	51	88	83	6	92	84

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	73	06/02/2020	06/02/2020		06/02/2020	06/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	73	<25	<25	0	94	81
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	73	<25	<25	0	94	81
Benzene	mg/kg	0.2	Org-016	[NT]	73	<0.2	<0.2	0	87	74
Toluene	mg/kg	0.5	Org-016	[NT]	73	<0.5	<0.5	0	91	84
Ethylbenzene	mg/kg	1	Org-016	[NT]	73	<1	<1	0	96	82
m+p-xylene	mg/kg	2	Org-016	[NT]	73	<2	<2	0	97	82
o-Xylene	mg/kg	1	Org-016	[NT]	73	<1	<1	0	95	80
naphthalene	mg/kg	1	Org-014	[NT]	73	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	73	83	80	4	82	71

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	06/02/2020	06/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	94	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	94	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	94	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	94	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	94	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	94	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	94	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	94	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	94	72	79	9	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	06/02/2020	06/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	104	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	104	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	104	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	104	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	104	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	104	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	104	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	104	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	104	84	79	6	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	06/02/2020	06/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	116	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	116	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	116	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	116	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	116	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	116	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	116	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	116	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	116	85	82	4	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	06/02/2020	06/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	159	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	159	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	159	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	159	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	159	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	159	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	159	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	159	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	159	77	77	0	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			07/02/2020	3	07/02/2020	06/02/2020		06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	3	<50	<50	0	81	73
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	3	<100	<100	0	86	79
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	3	<100	<100	0	92	95
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	3	<50	<50	0	81	73
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	3	<100	<100	0	86	79
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	3	<100	<100	0	92	95
Surrogate o-Terphenyl	%		Org-003	70	3	85	110	26	85	80

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	07/02/2020	07/02/2020		07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	29	<50	<50	0	85	73
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	29	<100	<100	0	90	78
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	29	<100	<100	0	77	76
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	29	<50	<50	0	85	73
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	29	<100	<100	0	90	78
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	29	<100	<100	0	77	76
Surrogate o-Terphenyl	%		Org-003	[NT]	29	91	101	10	89	78

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	07/02/2020	07/02/2020		06/02/2020	06/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	51	<50	<50	0	96	92
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	51	<100	<100	0	111	109
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	51	<100	<100	0	92	83
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	51	<50	<50	0	96	92
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	51	<100	<100	0	111	109
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	51	<100	<100	0	92	83
Surrogate o-Terphenyl	%		Org-003	[NT]	51	93	90	3	88	87

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	73	07/02/2020	07/02/2020		07/02/2020	07/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	73	<50	<50	0	94	93
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	73	<100	<100	0	111	108
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	73	<100	<100	0	92	85
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	73	<50	<50	0	94	93
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	73	<100	<100	0	111	108
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	73	<100	<100	0	92	85
Surrogate o-Terphenyl	%		Org-003	[NT]	73	98	89	10	87	87

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	06/02/2020	06/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	94	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	94	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	94	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	94	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	94	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	94	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	94	102	112	9	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	07/02/2020	07/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	104	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	104	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	104	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	104	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	104	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	104	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	104	99	99	0	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	07/02/2020	07/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	116	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	116	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	116	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	116	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	116	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	116	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	116	110	101	9	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	07/02/2020	07/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	159	100	110	10	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	159	4200	4100	2	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	159	3000	3000	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	159	200	210	5	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	159	6600	6600	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	159	730	750	3	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	159	#	#		[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			07/02/2020	3	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	118	108
Acenaphthylene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	111	110
Phenanthrene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	120	113
Anthracene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	118	113
Pyrene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	126	120
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	92	89
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	<0.2	3	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	<0.05	3	<0.05	<0.05	0	124	126
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	132	3	132	125	5	99	92

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	116	114
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	87	86
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	120	114
Anthracene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	112	112
Pyrene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	122	120
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	94	85
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	29	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	29	<0.05	<0.05	0	124	114
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	29	124	129	4	93	94

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	114	105
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	88	99
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	120	105
Anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	116	102
Pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	122	110
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	94	84
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	51	<0.05	<0.05	0	118	104
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	51	128	126	2	94	91

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		[NT]	05/02/2020
Date analysed	-			[NT]	73	07/02/2020	07/02/2020		[NT]	07/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	107
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	102
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	107
Anthracene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	103
Pyrene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	107
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	83
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	73	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	73	<0.05	<0.05	0	[NT]	103
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	73	122	124	2	[NT]	89

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	07/02/2020	07/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	94	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	94	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	94	123	122	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	07/02/2020	07/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	104	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	104	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	104	121	123	2	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	07/02/2020	07/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	116	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	116	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	116	124	120	3	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	07/02/2020	07/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	159	8.0	11	32	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	159	1.5	1.4	7	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	159	3.0	3.0	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	159	8.0	9.3	15	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	159	46	65	34	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	159	66	89	30	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	159	78	100	25	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	159	140	200	35	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	159	300	370	21	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	159	90	110	20	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	159	42	52	21	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	159	16	20	22	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	159	38	46	19	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	159	#	#		[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			07/02/2020	3	07/02/2020	07/02/2020		07/02/2020	07/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	112	94
HCB	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	114	106
gamma-BHC	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	94	98
delta-BHC	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	88	111
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	108	100
gamma-Chlordane	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	112	98
Dieldrin	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	116	120
Endrin	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	89	88
Endosulfan II	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	108	101
Endrin Aldehyde	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	130	118
Methoxychlor	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	122	3	124	126	2	95	88

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	07/02/2020	07/02/2020		07/02/2020	07/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	102	105
HCB	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	106	92
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	88	94
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	114	100
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	108	98
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	85	103
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	110	110
Endrin	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	92	78
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	98	102
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	98	110
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	29	122	121	1	101	98

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	07/02/2020	07/02/2020		07/02/2020	07/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	102	99
HCB	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	102
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	92	91
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	122	87
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	110	86
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	106	99
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	114	114
Endrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	94
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	100	93
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	87	96
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	125	120	4	109	105

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		[NT]	05/02/2020
Date analysed	-			[NT]	73	07/02/2020	07/02/2020		[NT]	07/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	100
HCB	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	93
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	90
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	107
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	100
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	100
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	103
Endrin	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	86
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	92
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	84
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	73	126	127	1	[NT]	105

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	07/02/2020	07/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	94	120	110	9	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	07/02/2020	07/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	104	118	110	7	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	07/02/2020	07/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	116	117	118	1	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	07/02/2020	07/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	159	113	107	5	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			07/02/2020	3	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	138	128
Dimethoate	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	108	98
Fenitrothion	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	114	88
Malathion	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	107	97
Chlorpyriphos	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	108	100
Parathion	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	112	106
Bromophos-ethyl	mg/kg	0.1	AT-008	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	110	106
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	122	3	124	126	2	95	88

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	124	117
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	96	95
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	87	92
Malathion	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	82	94
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	98	102
Parathion	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	96	99
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	98	105
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	29	122	121	1	101	98

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	128	129
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	93
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	91	89
Malathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	76	81
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	88	102
Parathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	106	102
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	102	98
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	125	120	4	109	105

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		[NT]	05/02/2020
Date analysed	-			[NT]	73	07/02/2020	07/02/2020		[NT]	07/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	129
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	93
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	93
Malathion	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	82
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	94
Parathion	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	79
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	98
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	73	126	127	1	[NT]	105

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	07/02/2020	07/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	94	120	110	9	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	07/02/2020	07/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	104	118	110	7	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	07/02/2020	07/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	116	117	118	1	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	07/02/2020	07/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	159	113	107	5	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date extracted	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			07/02/2020	3	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	96	100
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	3	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	122	3	124	126	2	95	88

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date extracted	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	96	102
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	29	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	29	122	121	1	101	98

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date extracted	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	07/02/2020	07/02/2020		07/02/2020	07/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	94	109
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	51	125	120	4	109	105

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	235827-118
Date extracted	-			[NT]	73	05/02/2020	05/02/2020		[NT]	05/02/2020
Date analysed	-			[NT]	73	07/02/2020	07/02/2020		[NT]	07/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	100
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	73	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	73	126	127	1	[NT]	105

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	07/02/2020	07/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	94	120	110	9	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	07/02/2020	07/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	104	118	110	7	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	07/02/2020	07/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	116	117	118	1	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	07/02/2020	07/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	159	113	107	5	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	235827-7
Date prepared	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			05/02/2020	3	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Arsenic	mg/kg	4	Metals-020	<4	3	7	7	0	111	71
Cadmium	mg/kg	0.4	Metals-020	<0.4	3	<0.4	<0.4	0	106	70
Chromium	mg/kg	1	Metals-020	<1	3	25	25	0	110	#
Copper	mg/kg	1	Metals-020	<1	3	4	5	22	108	76
Lead	mg/kg	1	Metals-020	<1	3	14	15	7	112	#
Mercury	mg/kg	0.1	Metals-021	<0.1	3	<0.1	<0.1	0	93	97
Nickel	mg/kg	1	Metals-020	<1	3	3	2	40	107	71
Zinc	mg/kg	1	Metals-020	<1	3	7	8	13	113	72

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	235827-55
Date prepared	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	29	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	29	9	10	11	109	85
Cadmium	mg/kg	0.4	Metals-020	[NT]	29	<0.4	<0.4	0	104	81
Chromium	mg/kg	1	Metals-020	[NT]	29	23	23	0	112	83
Copper	mg/kg	1	Metals-020	[NT]	29	11	13	17	108	97
Lead	mg/kg	1	Metals-020	[NT]	29	19	20	5	123	89
Mercury	mg/kg	0.1	Metals-021	[NT]	29	<0.1	<0.1	0	102	73
Nickel	mg/kg	1	Metals-020	[NT]	29	7	8	13	106	82
Zinc	mg/kg	1	Metals-020	[NT]	29	17	24	34	117	79

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	235827-98
Date prepared	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	51	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	51	11	12	9	115	77
Cadmium	mg/kg	0.4	Metals-020	[NT]	51	<0.4	<0.4	0	109	70
Chromium	mg/kg	1	Metals-020	[NT]	51	12	13	8	118	76
Copper	mg/kg	1	Metals-020	[NT]	51	12	12	0	113	99
Lead	mg/kg	1	Metals-020	[NT]	51	14	14	0	117	70
Mercury	mg/kg	0.1	Metals-021	[NT]	51	<0.1	<0.1	0	100	87
Nickel	mg/kg	1	Metals-020	[NT]	51	6	7	15	111	83
Zinc	mg/kg	1	Metals-020	[NT]	51	27	27	0	114	72

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	235827-118
Date prepared	-			[NT]	73	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Date analysed	-			[NT]	73	05/02/2020	05/02/2020		05/02/2020	05/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	73	7	8	13	100	79
Cadmium	mg/kg	0.4	Metals-020	[NT]	73	<0.4	<0.4	0	96	76
Chromium	mg/kg	1	Metals-020	[NT]	73	25	27	8	99	77
Copper	mg/kg	1	Metals-020	[NT]	73	9	8	12	96	86
Lead	mg/kg	1	Metals-020	[NT]	73	16	16	0	99	78
Mercury	mg/kg	0.1	Metals-021	[NT]	73	<0.1	<0.1	0	109	109
Nickel	mg/kg	1	Metals-020	[NT]	73	6	6	0	97	77
Zinc	mg/kg	1	Metals-020	[NT]	73	13	13	0	102	79

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	94	05/02/2020	05/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	94	8	7	13	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	94	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	94	17	15	12	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	94	12	10	18	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	94	19	18	5	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	94	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	94	11	9	20	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	94	44	39	12	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	104	05/02/2020	05/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	104	7	6	15	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	104	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	104	14	13	7	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	104	16	16	0	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	104	21	22	5	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	104	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	104	12	12	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	104	28	25	11	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	116	05/02/2020	05/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	116	11	11	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	116	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	116	17	19	11	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	116	16	14	13	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	116	20	20	0	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	116	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	116	12	10	18	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	116	50	38	27	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Date analysed	-			[NT]	159	05/02/2020	05/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	159	10	5	67	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	159	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	159	16	13	21	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	159	29	27	7	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	159	16	16	0	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	159	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	159	7	6	15	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	159	160	180	12	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Misc Soil - Inorg				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	235827-55
Date prepared	-			05/02/2020	104	5/02/2020	5/02/2020		05/02/2020	05/02/2020
Date analysed	-			05/02/2020	104	5/02/2020	5/02/2020		05/02/2020	05/02/2020
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	104	<5	<5	0	102	103

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

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.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	
The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.	
Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2	

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: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-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.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

TRH Soil C10-C40 NEPM - # Percent recovery for the surrogate is not possible to report as the high concentration of analytes in sample 235827-158,159 and 160 has caused interference.

PAHs in Soil - # Percent recovery for the surrogate is not possible to report as the high concentration of analytes in samples 235827-157,159,159d have caused interference.

Asbestos: A portion of the supplied samples were sub-sampled for asbestos analysis according to Envirolab procedures.

We cannot guarantee that these sub-samples are indicative of the entire sample.

Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples requested for asbestos testing were sub-sampled from jars provided by the client.

8 metals in soil - # Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

CERTIFICATE OF ANALYSIS 235827-A

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Lachlan Clement
Address	18 Waler Crescent, Smeaton Grange, NSW, 2567

Sample Details

Your Reference	86548.03, Badgerys Creek DSI
Number of Samples	161 Soil
Date samples received	03/02/2020
Date completed instructions received	05/02/2020

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.

Report Details

Date results requested by 12/02/2020

Date of Issue 12/02/2020

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

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

Results Approved By

Jaimie Loa-Kum-Cheung, Metals Supervisor

Priya Samarawickrama, Senior Chemist

Authorised By

Nancy Zhang, Laboratory Manager

Client Reference: 86548.03, Badgerys Creek DSI

Misc Inorg - Soil						
Our Reference		235827-A-135	235827-A-138	235827-A-141	235827-A-144	235827-A-147
Your Reference	UNITS	326/1.0	326/2.5	366/1.5	366/3.0	395/2.0
Date Sampled		28/01/2020	28/01/2020	28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020	07/02/2020	07/02/2020
Chloride, Cl 1:5 soil:water	mg/kg	450	600	850	1,100	1,100
Sulphate, SO4 1:5 soil:water	mg/kg	130	89	270	260	140

Misc Inorg - Soil		
Our Reference		235827-A-150
Your Reference	UNITS	411/1.0
Date Sampled		28/01/2020
Type of sample		Soil
Date prepared	-	07/02/2020
Date analysed	-	07/02/2020
Chloride, Cl 1:5 soil:water	mg/kg	650
Sulphate, SO4 1:5 soil:water	mg/kg	110

Client Reference: 86548.03, Badgerys Creek DSI

ESP/CEC				
Our Reference		235827-A-135	235827-A-144	235827-A-147
Your Reference	UNITS	326/1.0	366/3.0	395/2.0
Date Sampled		28/01/2020	28/01/2020	28/01/2020
Type of sample		Soil	Soil	Soil
Date prepared	-	07/02/2020	07/02/2020	07/02/2020
Date analysed	-	07/02/2020	07/02/2020	07/02/2020
Exchangeable Ca	meq/100g	<0.1	0.3	0.2
Exchangeable K	meq/100g	<0.1	0.3	<0.1
Exchangeable Mg	meq/100g	2.3	8.1	3.3
Exchangeable Na	meq/100g	1.4	2.8	1.8
Cation Exchange Capacity	meq/100g	3.8	11	5.5
ESP	%	37	25	33

Client Reference: 86548.03, Badgerys Creek DSI

Method ID	Methodology Summary
Inorg-081	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA latest edition, 4110-B. Waters samples are filtered on receipt prior to analysis. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
Metals-009	Determination of exchangeable cations and cation exchange capacity in soils using 1M Ammonium Chloride exchange and ICP-AES analytical finish.

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Misc Inorg - Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			07/02/2020	[NT]	[NT]	[NT]	[NT]	07/02/2020	[NT]
Date analysed	-			07/02/2020	[NT]	[NT]	[NT]	[NT]	07/02/2020	[NT]
Chloride, Cl 1:5 soil:water	mg/kg	10	Inorg-081	<10	[NT]	[NT]	[NT]	[NT]	89	[NT]
Sulphate, SO4 1:5 soil:water	mg/kg	10	Inorg-081	<10	[NT]	[NT]	[NT]	[NT]	92	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: ESP/CEC					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			07/02/2020	135	07/02/2020	07/02/2020		07/02/2020	[NT]
Date analysed	-			07/02/2020	135	07/02/2020	07/02/2020		07/02/2020	[NT]
Exchangeable Ca	meq/100g	0.1	Metals-009	<0.1	135	<0.1	<0.1	0	99	[NT]
Exchangeable K	meq/100g	0.1	Metals-009	<0.1	135	<0.1	<0.1	0	96	[NT]
Exchangeable Mg	meq/100g	0.1	Metals-009	<0.1	135	2.3	2.4	4	98	[NT]
Exchangeable Na	meq/100g	0.1	Metals-009	<0.1	135	1.4	1.4	0	99	[NT]
ESP	%	1	Metals-009	[NT]	135	37	37	0	[NT]	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

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.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	
The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.	
Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2	

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: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-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.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Ming To

From: Lachlan Clement <Lachlan.Clement@douglaspartners.com.au>
Sent: Wednesday, 5 February 2020 5:29 PM
To: Ming To
Cc: Chris Kline; Emily McGinty
Subject: RE: 86548.03, Badgerys Creek DSI (235827)

Hi Ming,

Apologies for the late reply, please can you do the following in addition to Emilys requests on the extra samples

135 326/1.0 – chloride, sulphate, sodicity
136 326/1.5 hold
137 326/2.0 hold
138 326/2.5– chloride, sulphate
139 326/3.0 hold
140 366/1.0 hold
141 366/1.5– chloride, sulphate
142 366/2.0 hold
143 366/2.5 hold
144 366/3.0– chloride, sulphate, sodicity
145 395/1.0 hold
146 395/1.5 hold
147 395/2.0– chloride, sulphate, sodicity
148 395/2.5 hold
149 395/3.0 hold
150 411/1.0– chloride, sulphate
151 411/1.5 hold
152 411/2.0 hold
153 411/2.5 hold
154 411/3.0 hold
155 357/1.0 hold
156 364/1.2 hold

Ref: 235827-A
TAT: std
Due: 12/02/20.

Thanks

Lachlan Clement | Environmental Scientist
Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
18 Waler Crescent Smeaton Grange NSW 2567
P: 02 4647 0075 | M: 0427 102 041 | E: Lachlan.Clement@douglaspartners.com.au

ENVIRONMENTAL REVIEW

CLIENT CHOICE AWARDS 2019

WINNER

beaton



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Emily McGinty <Emily.McGinty@douglaspartners.com.au>
Sent: Tuesday, February 4, 2020 9:42 AM
To: Ming To <MTo@envirolab.com.au>



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Lachlan Clement

Sample Login Details

Your reference	86548.03, Badgerys Creek DSI
Envirolab Reference	235827-A
Date Sample Received	03/02/2020
Date Instructions Received	05/02/2020
Date Results Expected to be Reported	12/02/2020

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	161 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	20.6
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	Phone: 02 9910 6200
Fax: 02 9910 6201	Fax: 02 9910 6201
Email: ahie@envirolab.com.au	Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
300/0-0.2			✓
300/0.5-0.7			✓
323/0-0.2			✓
323/0.5-0.7			✓
324/0-0.2			✓
324/0.5-0.7			✓
325/0-0.2			✓
325/0.5-0.7			✓
326/0-0.1			✓
326/0.5-0.7			✓
327/0-0.1			✓
327/0.5-0.7			✓
328/0-0.1			✓
328/0.5-0.7			✓
239/0-0.1			✓
329/0.5-0.7			✓
330/0-0.1			✓
330/0.5-0.7			✓
331/0-0.1			✓
331/0.5-0.7			✓
332/0-0.2			✓
332/0.5-0.7			✓
333/0-0.2			✓
333/0.5-0.7			✓
334/0-0.2			✓
334/0.5-0.7			✓
335/0-0.2			✓
335/0.5-0.7			✓
353/0-0.1			✓
353/0.5-0.7			✓
354/0-0.2			✓
354/0.5-0.7			✓



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
355/0-0.2			✓
355/0.5-0.7			✓
356/0-0.2			✓
356/0.5-0.7			✓
357/0-0.1			✓
357/0.5-0.7			✓
358/0-0.2			✓
358/0.5-0.7			✓
359/0-0.1			✓
359/0.5-0.7			✓
361/0-0.1			✓
361/0.5-0.7			✓
364/0-0.1			✓
364/0.5-0.7			✓
365/0-0.1			✓
365/0.5-0.7			✓
366/0-0.2			✓
366/0.5-0.7			✓
367/0-0.2			✓
367/0.5-0.7			✓
368/0-0.1			✓
368/0.5-0.7			✓
369/0-0.1			✓
369/0.5-0.7			✓
370/0-0.1			✓
370/0.5-0.7			✓
384/0-0.1			✓
384/0.5-0.7			✓
385/0-0.1			✓
385/0.5-0.7			✓
386/0-0.1			✓
386/0.5-0.7			✓



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
387/0-0.1			✓
387/0.5-0.7			✓
388/0-0.1			✓
388/0.5-0.7			✓
389/0-0.1			✓
389/0.5-0.7			✓
390/0-0.1			✓
390/0.5-0.7			✓
391/0-0.1			✓
391/0.5-0.7			✓
392/0-0.1			✓
392/0.5-0.7			✓
393/0-0.1			✓
393/0.5-0.7			✓
394/0-0.1			✓
394/0.5-0.7			✓
395/0-0.1			✓
395/0.5-0.7			✓
399/0-0.1			✓
400/0-0.1			✓
400/0.5-0.7			✓
401/0-0.1			✓
401/0.5-0.7			✓
402/0-0.1			✓
402/0.5-0.7			✓
403/0-0.1			✓
403/0.5-0.7			✓
405/0-0.1			✓
405/0.5-0.7			✓
406/0-0.1			✓
406/0.5-0.7			✓
407/0-0.1			✓



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
407/0.5-0.7			✓
408/0-0.2			✓
408/0.5-0.7			✓
409/0-0.1			✓
409/0.5-0.7			✓
410/0-0.1			✓
410/0.5-0.7			✓
411/0-0.1			✓
411/0.5-0.7			✓
412/0-0.1			✓
412/0.5-0.7			✓
413/0-0.1			✓
413/0.5-0.7			✓
426/0-0.2			✓
426/0.5-0.7			✓
427/0-0.1			✓
427/0.5-0.7			✓
428/0-0.1			✓
428/0.5-0.7			✓
429/0-0.1			✓
429/0.5-0.7			✓
430/0-0.1			✓
430/0.5-0.7			✓
569/0-0.1			✓
569/0.5-0.7			✓
570/0-0.1			✓
570/0.5-0.7			✓
571/0-0.2			✓
571/0.5-0.7			✓
573/0-0.1			✓
573/0.5-0.7			✓
BD1/280120			✓



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
BD3/280120			✓
BD1/290120			✓
BD2/290120			✓
BD3/290120			✓
BD2/280120			✓
TS			✓
326/1.0	✓	✓	
326/1.5			✓
326/2.0			✓
326/2.5	✓		
326/3.0			✓
366/1.0			✓
366/1.5	✓		
366/2.0			✓
366/2.5			✓
366/3.0	✓	✓	
395/1.0			✓
395/1.5			✓
395/2.0	✓	✓	
395/2.5			✓
395/3.0			✓
411/1.0	✓		
411/1.5			✓
411/2.0			✓
411/2.5			✓
411/3.0			✓
357/1.0			✓
364/1.2			✓
SS1/0.05			✓
SS2			✓
SS3			✓
SS4/0.02			✓



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	Misc Inorg - Soil	ESP/CEC	On Hold
399/0.5-0.7			✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.


Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Date Sampled	Sample Type	Container Type	Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP,OPP,PCBs, asbestos (50g)	HOLD						
1 300/0-0.2	1	28/01/20	S	G	X										
2 300/0.5 - 0.7	2	28/01/20	S	G							X				
3 323/0-0.2	3	28/01/20	S	G			X								
4 323/0.5-0.7	4	28/01/20	S	G							X				
5 324/0-0.2	5	28/01/20	S	G	X										
6 324/0.5-0.7	6	28/01/20	S	G							X				
7 325/0-0.2	7	28/01/20	S	G			X								
8 325/0.5-0.7	8	28/01/20	S	G							X				
9 326/0-0.1	9	28/01/20	S	G	X										
10 326/0.5-0.7	10	28/01/20	S	G							X				
11 327/0-0.1	11	28/01/20	S	G			X								
12 327/0.5-0.7	12	28/01/20	S	G							X				
13 328/0-0.1	13	28/01/20	S	G	X										


 Envirolab Services
 12 Ashley St
 Chatswood NSW 2067
 Ph: (02) 9910 6200
 Job No: 235827
 Date Received: 3/2/20
 Time Received: 1125
 Received by: [Signature]
 Temp: Cool/Ambient
 Cooling: Icepack 20.6°C
 Security: Intact/Broken/None

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: 18 Waler Crescent Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: EMG	Transported to laboratory by:		
Signed: [Signature]	Date & Time: 31/01/2020	Received by: Jason Day ELS STD [Signature] 3/2/20 1125	

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

14
15
16
17
18
19
20
21
22
23
24
25
26

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP,OPP, PCBs, asbestos (50g)	HOLD						
328/0.5-0.7	14	28/01/20	S	G							X				
329/0-0.1	15	28/01/20	S	G		X									
329/0.5-0.7	16	28/01/20	S	G							X				
330/0-0.1	17	28/01/20	S	G	X										
330/0.5-0.7	18	28/01/20	S	G							X				
331/0-0.1	19	28/01/20	S	G		X									
331/0.5-0.7	20	28/01/20	S	G							X				
332/0-0.2	21	28/01/20	S	G	X										
332/0.5-0.7	22	28/01/20	S	G							X				
333/0-0.2	23	28/01/20	S	G		X									
333/0.5-0.7	24	28/01/20	S	G							X				
334/0-0.2	25	28/01/20	S	G	X										
334/0.5-0.7	26	28/01/20	S	G							X				

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: <i>EMG</i>	Transported to laboratory by:		
Signed: <i>[Signature]</i>	Date & Time: 9/10/2020 2:30 PM	Received by: Susan Day ELS STO Jett 3/2/20 1125	

31/10/2020 -

235827

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty 12 Ashley Street, Chatswood NSW 2067
Project Mgr: EMG	Mob. Phone: 0418651227 Attn: Nancy Zhang
Email: emily.mcginty@douglaspartners.com.au	Phone: (02) 9910 6200 Fax: (02) 9910 6201
Date Required: standard turnaround	Email: nzhang@envirolabservices.com.au

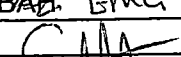
27
28
29
30
31
32
33
34
35
36
37
38
39

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes							Notes/preservation		
					Combination 1m	Combination 6a	Combination 8a	Combo 1m: OCP, OPP, PCBs, asbestos (50g)	HOLD					
335/0-0.2	27	28/01/20	S	G		X								
335/0.5-0.7	28	28/01/20	S	G						X				
353/0-0.1	29	28/01/20	S	G		X								
353/0.5-0.7	30	28/01/20	S	G						X				
354/0-0.2	31	28/01/20	S	G	X									
354/0.5-0.7	32	28/01/20	S	G						X				
355/0-0.2	33	28/01/20	S	G			X							
355/0.5-0.7	34	28/01/20	S	G						X				
356/0-0.2	35	28/01/20	S	G	X									
356/0.5-0.7	36	28/01/20	S	G						X				
357/0-0.1	37	28/01/20	S	G				X						
357/0.5-0.7	38	28/01/20	S	G						X				
358/0-0.2	39	28/01/20	S	G	X									

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: <i>BAH EMG</i>	Transported to laboratory by:		
Signed: <i>[Signature]</i>	Date & Time: <i>31/01/20</i>	Received by: <i>Jason Day EIS STO 2024 3/2/20 1125</i> <i>235827</i>	

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Container Type		Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD						
40 358/0.5-0.7	40	28/01/20	S	G							X				
41 359/0-0.1	41	28/01/20	S	G		X									
42 359/0.5-0.7	42	28/01/20	S	G							X				
43 361/0-0.1	43	28/01/20	S	G		X									
44 361/0.5-0.7	44	28/01/20	S	G							X				
45 364/0-0.1	45	28/01/20	S	G	X										
46 364/0.5-0.7	46	28/01/20	S	G							X				
47 365/0-0.1	47	29/01/20	S	G		X									
48 365/0.5-0.7	48	29/01/20	S	G							X				
49 366/0-0.2	49	28/01/20	S	G	X										
50 366/0.5-0.7	50	28/01/20	S	G							X				
51 367/0-0.2	51	28/01/20	S	G		X									
52 367/0.5-0.7	52	28/01/20	S	G							X				

Lab Report No:			Phone: (02) 4647 0075	Fax: (02) 4646 1886
Send Results to: Douglas Partners Pty Ltd	Address: 18 Waler Crescent Smeaton Grange			
Relinquished by: BAH, EMG	Transported to laboratory by:			
Signed: 	Date & Time: 15.09.15	Received by: Jason Day	EIS STN 2000 3/2/20 1125 235827	

31/01/2020

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Container Type		Analytes							Notes/preservation	
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD						
53 368/0-0.1	53	28/01/20	S	G	X										
54 368/0.5-0.7	54	28/01/20	S	G						X					
55 369/0-0.1	55	29/01/20	S	G				X							
56 369/0.5-0.7	56	29/01/20	S	G						X					
57 370/0-0.1	57	29/01/20	S	G	X										
58 370/0.5-0.7	58	29/01/20	S	G						X					
59 384/0-0.1	59	29/01/20	S	G	X										
60 384/0.5-0.7	60	29/01/20	S	G						X					
61 385/0-0.1	61	29/01/20	S	G			X								
62 385/0.5-0.7	62	29/01/20	S	G						X					
63 386/0-0.1	63	29/01/20	S	G	X										
64 386/0.5-0.7	64	29/01/20	S	G						X					
65 387/0-0.1	65	29/01/20	S	G				X							

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by: <i>EMG</i>	Transported to laboratory by:
Signed: <i>[Signature]</i>	Date & Time: 21/01/2020
	Received by: Susan Day BCS STD 2000 3/2/20 1125 235827

Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	


Sample ID	Lab ID	Sampling Date	Sample Type		Analytes									Notes/preservation	
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD						
66 387/0.5-0.7	66	29/01/20	S	G							X				
67 388/0-0.1	67	29/01/20	S	G	X										
68 388/0.5-0.7	68	29/01/20	S	G							X				
69 389/0-0.1	69	29/01/20	S	G		X									
70 389/0.5-0.7	70	29/01/20	S	G							X				
71 390/0-0.1	71	28/01/20	S	G	X										
72 390/0.5-0.7	72	29/01/20	S	G							X				
73 391/0-0.1	73	28/01/20	S	G		X									
74 391/0.5-0.7	74	28/01/20	S	G							X				
75 392/0-0.1	75	28/01/20	S	G	X										
76 392/0.5-0.7	76	28/01/20	S	G							X				
77 393/0-0.1	77	28/01/20	S	G		X									
78 393/0.5-0.7	78	28/01/20	S	G							X				

Lab Report No:		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Send Results to: Douglas Partners Pty Ltd				Transported to laboratory by:			
Relinquished by: <i>EMG</i>		Date & Time: 31/01/2020		Received by: Susan Day EWS STO		30/1 3/2/20 1125	
Signed: <i>EMG</i>						235827	

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

79
80
81
82
83
-
84
85
86
87
88
89
90

Sample ID	Lab ID	Sampling Date	Sample Type		Container Type		Analytes							Notes/preservation	
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD						
394/0-0.1	79	28/01/20	S	G	X										
394/0.5-0.7	80	28/01/20	S	G							X				
395/0-0.1	81	28/01/20	S	G		X									
395/0.5-0.7	82	28/01/20	S	G							X				
399/0-0.1	83	29/01/20	S	G				X							
399/0.5-0.7	84	29/01/20	S	G							X				
400/0-0.1	85	29/01/20	S	G	X										
400/0.5-0.7	86	29/01/20	S	G							X				
401/0-0.1	87	29/01/20	S	G		X									
401/0.5-0.7	88	29/01/20	S	G							X				
402/0-0.1	89	29/01/20	S	G	X										
402/0.5-0.7	90	29/01/20	S	G							X				
403/0-0.1	91	29/01/20	S	G		X									

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: EMG	Transported to laboratory by:		
Signed: 	Date & Time: 31/01/2020	Received by: Jason Day EIS SFO 3011 3/2/20 1125 235827	

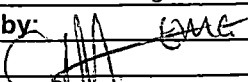
Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginity@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type		Container Type		Analytes							Notes/preservation	
			S - soil W - water	G - glass P - plastic	Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD						
91 403/0.5-0.7	92	29/01/20	S	G							X				
92 405/0-0.1	93	29/01/20	S	G	X										
93 405/0.5-0.7	94	29/01/20	S	G							X				
94 406/0-0.1	95	29/01/20	S	G		X									
95 406/0.5-0.7	96	29/01/20	S	G							X				
96 407/0-0.1	97	29/01/20	S	G	X										
97 407/0.5-0.7	98	29/01/20	S	G							X				
98 408/0-0.2	99	29/01/20	S	G		X									
99 408/0.5-0.7	100	29/01/20	S	G							X				
100 409/0-0.1	101	29/01/20	S	G	X										
101 409/0.5-0.7	102	29/01/20	S	G							X				
102 410/0-0.1	103	29/01/20	S	G	X										
103 410/0.5-0.7	104	29/01/20	S	G							X				

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: <i>EMG</i>		Transported to laboratory by:		Signed: <i>[Signature]</i>		Date & Time: 31/01/2020		Received by: Jason Day EIS STD 2020 3/2/20 1125 235827	

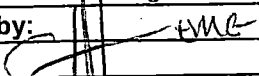
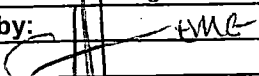
Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation	
					Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD					
104 411/0-0.1	105	29/01/20	S	G			X							
105 411/0.5-0.7	106	29/01/20	S	G						X				
106 412/0-0.1	107	29/01/20	S	G	X									
107 412/0.5-0.7	108	29/01/20	S	G						X				
108 413/0-0.1	109	29/01/20	S	G		X								
109 413/0.5-0.7	110	29/01/20	S	G						X				
110 426/0-0.2	111	29/01/20	S	G		X								
111 426/0.5-0.7	112	29/01/20	S	G						X				
112 427/0-0.1	113	29/01/20	S	G		X								
113 427/0.5-0.7	114	29/01/20	S	G						X				
114 428/0-0.1	115	29/01/20	S	G		X								
115 428/0.5-0.7	116	29/01/20	S	G						X				
116 429/0-0.1	117	29/01/20	S	G		X								

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: 	Transported to laboratory by:		
Signed:	Date & Time: 31/01/2020	Received by: Jason Day ELS stn 7044 3/2/20 1125 235827	

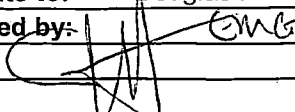
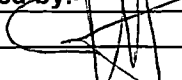
Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation
					Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD				
117 429/0.5-0.7	118	29/01/20	S	G						X			
118 430/0-0.1	119	29/01/20	S	G		X							
119 430/0.5-0.7	120	29/01/20	S	G						X			
120 569/0-0.1	121	29/01/20	S	G				X					
121 569/0.5-0.7	122	29/01/20	S	G						X			
122 570/0-0.1	123	29/01/20	S	G			X						
123 570/0.5-0.7	124	29/01/20	S	G						X			
124 571/0-0.2	125	28/01/20	S	G				X					
125 571/0.5-0.7	126	28/01/20	S	G						X			
126 573/0-0.1	127	29/01/20	S	G				X					
127 573/0.5-0.7	128	29/01/20	S	G						X			
128 BD1/280120	129	28/01/20	S	G	X								
129 BD3/280120	130	28/01/20	S	G						X			

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: 					Transported to laboratory by:				
Signed: 					Date & Time: 31/01/2020		Received by: Jason Day EIS STD JADA 3/2/20 1125 235827		

Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes						Notes/preservation	
					Combination 1m	Combination 6a	Combination 8a	Combo 1m, OCP, OPP, PCBs, asbestos (50g)	HOLD			
130 BD1/290120	131	29/01/20	S	G	X							
131 BD2/290120	132	29/01/20	S	G	X							
132 BD3/290120	133	29/01/20	S	G					X			
133 BD2/280120	134	28/01/20	S	G					X			
134 TS					VOLATILES ONLY -							
35-139 326 (1.0, 1.5, 2.0, 2.5, 3.0)		28/1/20	S	G	7-Extra							
0-144 366 (1.0, 1.5, 2.0, 2.5, 3.0)		"	"	"								
15-149 375 (1.0, 1.5, 2.0, 2.5, 3.0)		"	"	"								
50-154 411 (1.0, 1.5, 2.0, 2.5, 3.0)		29/1/20	"	"								
155 357 (1.0)		28/1/20	"	"								
156 364 (1.2)		"	"	"								
157 SS1 (0.05)		29/1/20	"	"								
SP-160 SS2, SS3, SS4 (0.02)		"	"	"								

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by: 				Transported to laboratory by:					
Signed: 				Date & Time: 31/01/2020		Received by: Jason Day ELS 510 JDA 3/2/20 1125 235827			

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Emily McGinty

Sample Login Details

Your reference	86548.03, Badgerys Creek DSI
Envirolab Reference	235827
Date Sample Received	03/02/2020
Date Instructions Received	04/02/2020
Date Results Expected to be Reported	10/02/2020

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	161 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	20.6
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: ahie@envirolab.com.au

Jacinta Hurst

Phone: 02 9910 6200
Fax: 02 9910 6201
Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
300/0-0.2	✓	✓					✓			
300/0.5-0.7										✓
323/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
323/0.5-0.7										✓
324/0-0.2	✓	✓					✓			
324/0.5-0.7										✓
325/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
325/0.5-0.7										✓
326/0-0.1	✓	✓					✓			
326/0.5-0.7										✓
327/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
327/0.5-0.7										✓
328/0-0.1	✓	✓					✓			
328/0.5-0.7										✓
239/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
329/0.5-0.7										✓
330/0-0.1	✓	✓					✓			
330/0.5-0.7										✓
331/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
331/0.5-0.7										✓
332/0-0.2	✓	✓					✓			
332/0.5-0.7										✓
333/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
333/0.5-0.7										✓
334/0-0.2	✓	✓					✓			
334/0.5-0.7										✓
335/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
335/0.5-0.7										✓
353/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
353/0.5-0.7										✓
354/0-0.2	✓	✓					✓			
354/0.5-0.7										✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
355/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
355/0.5-0.7										✓
356/0-0.2	✓	✓					✓			
356/0.5-0.7										✓
357/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
357/0.5-0.7										✓
358/0-0.2	✓	✓					✓			
358/0.5-0.7										✓
359/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
359/0.5-0.7										✓
361/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
361/0.5-0.7										✓
364/0-0.1	✓	✓					✓			
364/0.5-0.7										✓
365/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
365/0.5-0.7										✓
366/0-0.2	✓	✓					✓			
366/0.5-0.7										✓
367/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
367/0.5-0.7										✓
368/0-0.1	✓	✓					✓			
368/0.5-0.7										✓
369/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
369/0.5-0.7										✓
370/0-0.1	✓	✓					✓			
370/0.5-0.7										✓
384/0-0.1	✓	✓					✓			
384/0.5-0.7										✓
385/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
385/0.5-0.7										✓
386/0-0.1	✓	✓					✓			
386/0.5-0.7										✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
387/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
387/0.5-0.7										✓
388/0-0.1	✓	✓					✓			
388/0.5-0.7										✓
389/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
389/0.5-0.7										✓
390/0-0.1	✓	✓					✓			
390/0.5-0.7										✓
391/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
391/0.5-0.7										✓
392/0-0.1	✓	✓					✓			
392/0.5-0.7										✓
393/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
393/0.5-0.7										✓
394/0-0.1	✓	✓					✓			
394/0.5-0.7										✓
395/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
395/0.5-0.7										✓
399/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
400/0-0.1	✓	✓					✓			
400/0.5-0.7										✓
401/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
401/0.5-0.7										✓
402/0-0.1	✓	✓					✓			
402/0.5-0.7										✓
403/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
403/0.5-0.7										✓
405/0-0.1	✓	✓					✓			
405/0.5-0.7										✓
406/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
406/0.5-0.7										✓
407/0-0.1	✓	✓					✓			



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
407/0.5-0.7										✓
408/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
408/0.5-0.7										✓
409/0-0.1	✓	✓					✓			
409/0.5-0.7										✓
410/0-0.1	✓	✓					✓			
410/0.5-0.7										✓
411/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
411/0.5-0.7										✓
412/0-0.1	✓	✓					✓			
412/0.5-0.7										✓
413/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
413/0.5-0.7										✓
426/0-0.2	✓	✓	✓	✓	✓	✓	✓		✓	
426/0.5-0.7										✓
427/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
427/0.5-0.7										✓
428/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
428/0.5-0.7										✓
429/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
429/0.5-0.7										✓
430/0-0.1	✓	✓	✓	✓	✓	✓	✓		✓	
430/0.5-0.7										✓
569/0-0.1	✓	✓		✓	✓	✓	✓		✓	
569/0.5-0.7										✓
570/0-0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
570/0.5-0.7										✓
571/0-0.2	✓	✓		✓	✓	✓	✓		✓	
571/0.5-0.7										✓
573/0-0.1	✓	✓		✓	✓	✓	✓		✓	
573/0.5-0.7										✓
BD1/280120	✓	✓					✓			



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
BD3/280120										✓
BD1/290120	✓	✓					✓			
BD2/290120	✓	✓					✓			
BD3/290120										✓
BD2/280120										✓
TS										✓
326/1.0										✓
326/1.5										✓
326/2.0										✓
326/2.5										✓
326/3.0										✓
366/1.0										✓
366/1.5										✓
366/2.0										✓
366/2.5										✓
366/3.0										✓
395/1.0										✓
395/1.5										✓
395/2.0										✓
395/2.5										✓
395/3.0										✓
411/1.0										✓
411/1.5										✓
411/2.0										✓
411/2.5										✓
411/3.0										✓
357/1.0										✓
364/1.2										✓
SS1/0.05	✓	✓	✓	✓	✓	✓	✓	✓		
SS2	✓	✓					✓			
SS3	✓	✓	✓	✓	✓	✓	✓	✓		
SS4/0.02	✓	✓					✓			



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Asbestos ID - soils	On Hold
399/0.5-0.7										✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

CERTIFICATE OF ANALYSIS 236229

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Emily McGinty
Address	18 Waler Crescent, Smeaton Grange, NSW, 2567

Sample Details

Your Reference	86548.03, Badgerys Creek DSI
Number of Samples	279 Soil, 3 Material
Date samples received	07/02/2020
Date completed instructions received	10/02/2020

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 17/02/2020

Date of Issue 17/02/2020

NATA Accreditation Number 2901. This document shall not be reproduced except in full.

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

Asbestos Approved By

Analysed by Asbestos Approved Identifier: Aida Marner

Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Diego Bigolin, Team Leader, Inorganics

Josh Williams, Senior Chemist

Loren Bardwell, Senior Chemist

Lucy Zhu, Asbestos Supervisor

Priya Samarawickrama, Senior Chemist

Steven Luong, Organics Supervisor

Authorised By

Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-1	236229-2	236229-4	236229-6	236229-8
Your Reference	UNITS	321/0.1	322/0.1	336/0.1	337/0.1	338/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	117	92	115	107	128

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-10	236229-12	236229-14	236229-16	236229-23
Your Reference	UNITS	339/0.1	350/0.1	351/0.1	352/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	104	97	116	98	108

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-25	236229-27	236229-29	236229-31	236229-33
Your Reference	UNITS	382/0.1	383/0.1	431/0.1	432/0.1	433/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	130	119	127	106	97

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-35	236229-38	236229-40	236229-43	236229-45
Your Reference	UNITS	434/0.1	435/0.1	436/0.1	437/0.5	438/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	96	116	128	137	108

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-47	236229-49	236229-51	236229-53	236229-55
Your Reference	UNITS	439/0.1	458/0.1	457/0.1	459/0.1	460/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	121	132	123	102	100

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-57	236229-59	236229-62	236229-64	236229-66
Your Reference	UNITS	461/0.1	462/0.1	464/0.1	465/0.1	466/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	115	115	99	120	113

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-68	236229-70	236229-72	236229-74	236229-77
Your Reference	UNITS	467/0.1	468/0.1	576/0.2	577/0.3	579/0.1
Date Sampled		31/01/2020	31/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	107	123	115	100	115

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-79	236229-81	236229-83	236229-85	236229-87
Your Reference	UNITS	586/0.1	587/0.1	588/0.1	589/0.1	590/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	115	93	91	97	96

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-89	236229-91	236229-93	236229-95	236229-97
Your Reference	UNITS	591/0.1	592/0.1	360/0.1	362/0.1	363/0.1
Date Sampled		30/01/2020	31/01/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	97	95	100	81	96

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-99	236229-101	236229-103	236229-105	236229-107
Your Reference	UNITS	396/0.1	397/0.1	404/0.1	414/0.1	415/0.1
Date Sampled		05/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	91	97	94	93	91

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-109	236229-111	236229-113	236229-115	236229-117
Your Reference	UNITS	416/0.1	417/0.1	418/0.1	419/0.1	420/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	95	87	86	102	94

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-119	236229-121	236229-123	236229-126	236229-128
Your Reference	UNITS	398/0.1	421/0.1	422/0.1	423/0.1	424/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	95	97	99	93	96

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-130	236229-132	236229-134	236229-136	236229-138
Your Reference	UNITS	425/0.1	440/0.1	441/0.1	442/0.1	443/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	90	97	100	96	98

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-140	236229-142	236229-144	236229-146	236229-153
Your Reference	UNITS	444/0.1	445/0.1	446/0.1	447/0.1	448/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	86	91	85	86	88

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-155	236229-157	236229-159	236229-161	236229-163
Your Reference	UNITS	449/0.1	450/0.1	451/0.1	452/0.1	453/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	14/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	78	92	117	103	98

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-165	236229-167	236229-169	236229-171	236229-173
Your Reference	UNITS	454/0.1	455/0.1	456/0.1	470/0.1	472/0.1
Date Sampled		04/02/2020	03/02/2020	05/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	91	96	90	124	92

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-175	236229-177	236229-179	236229-181	236229-183
Your Reference	UNITS	473/0.1	474/0.1	572/0.1	574/0.1	575/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	96	92	91	95	94

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-185	236229-189	236229-191	236229-195	236229-198
Your Reference	UNITS	578/0.1	580/0.1	581/0.1	582/0.1	583/0.2
Date Sampled		03/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	90	92	94	93	93

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-200	236229-202	236229-204	236229-207	236229-212
Your Reference	UNITS	584/0.1	585/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		03/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	91	93	120	121	120

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-215	236229-218	236229-222	236229-228	236229-231
Your Reference	UNITS	597/0.1	598/0.5	599/0.1	593/1.0	601/1.0
Date Sampled		05/02/2020	04/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	121	117	109	121	114

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-233	236229-237	236229-240	236229-243	236229-245
Your Reference	UNITS	602/0.1	603/0.5	604/0.1	605/0.1	606/0.5
Date Sampled		03/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	121	115	119	122	118

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-247	236229-249	236229-253	236229-254	236229-255
Your Reference	UNITS	607/0.1	608/0.1	SS9	SS10	SS11
Date Sampled		03/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	120	125	121	118	122

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-257	236229-258	236229-259	236229-260	236229-263
Your Reference	UNITS	SS13	SS14	SS15	BD2/300120	BD2/030220
Date Sampled		04/02/2020	05/02/2020	05/02/2020	30/01/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	114	121	119	119	118

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		236229-266	236229-271	236229-273	236229-276	236229-277
Your Reference	UNITS	BD2/040220	469/0.1	465/0.1	SS5	SS6
Date Sampled		04/02/2020	-	-	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25	<25	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25	<25	<25
vTPH C 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
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	123	100	66	71	91

vTRH(C6-C10)/BTEXN in Soil		
Our Reference		236229-278
Your Reference	UNITS	SS7
Date Sampled		-
Type of sample		Soil
Date extracted	-	13/02/2020
Date analysed	-	14/02/2020
TRH C ₆ - C ₉	mg/kg	<25
TRH C ₆ - C ₁₀	mg/kg	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
naphthalene	mg/kg	<1
Total +ve Xylenes	mg/kg	<3
Surrogate aaa-Trifluorotoluene	%	91

svTRH (C10-C40) in Soil						
Our Reference		236229-1	236229-2	236229-4	236229-6	236229-8
Your Reference	UNITS	321/0.1	322/0.1	336/0.1	337/0.1	338/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	102	118	103	110

svTRH (C10-C40) in Soil						
Our Reference		236229-10	236229-12	236229-14	236229-16	236229-23
Your Reference	UNITS	339/0.1	350/0.1	351/0.1	352/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	106	105	116	103	109

svTRH (C10-C40) in Soil						
Our Reference		236229-25	236229-27	236229-29	236229-31	236229-33
Your Reference	UNITS	382/0.1	383/0.1	431/0.1	432/0.1	433/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	105	103	104	101	104

svTRH (C10-C40) in Soil						
Our Reference		236229-35	236229-38	236229-40	236229-43	236229-45
Your Reference	UNITS	434/0.1	435/0.1	436/0.1	437/0.5	438/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	103	104	118	104	103

svTRH (C10-C40) in Soil

Our Reference		236229-47	236229-49	236229-51	236229-53	236229-55
Your Reference	UNITS	439/0.1	458/0.1	457/0.1	459/0.1	460/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	102	103	108	110

svTRH (C10-C40) in Soil

Our Reference		236229-57	236229-59	236229-62	236229-64	236229-66
Your Reference	UNITS	461/0.1	462/0.1	464/0.1	465/0.1	466/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	102	103	102	113	102

svTRH (C10-C40) in Soil						
Our Reference		236229-68	236229-70	236229-72	236229-74	236229-77
Your Reference	UNITS	467/0.1	468/0.1	576/0.2	577/0.3	579/0.1
Date Sampled		31/01/2020	31/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	140	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	130	<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	220	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	110	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	330	<50
Surrogate o-Terphenyl	%	101	108	102	111	117

svTRH (C10-C40) in Soil						
Our Reference		236229-79	236229-81	236229-83	236229-85	236229-87
Your Reference	UNITS	586/0.1	587/0.1	588/0.1	589/0.1	590/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	105	105	108	106	113

svTRH (C10-C40) in Soil						
Our Reference		236229-89	236229-91	236229-93	236229-95	236229-97
Your Reference	UNITS	591/0.1	592/0.1	360/0.1	362/0.1	363/0.1
Date Sampled		30/01/2020	31/01/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	106	111	104	111	105

svTRH (C10-C40) in Soil						
Our Reference		236229-99	236229-101	236229-103	236229-105	236229-107
Your Reference	UNITS	396/0.1	397/0.1	404/0.1	414/0.1	415/0.1
Date Sampled		05/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	112	105	111	103	112

svTRH (C10-C40) in Soil						
Our Reference		236229-109	236229-111	236229-113	236229-115	236229-117
Your Reference	UNITS	416/0.1	417/0.1	418/0.1	419/0.1	420/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	118	114	118	108	108

svTRH (C10-C40) in Soil						
Our Reference		236229-119	236229-121	236229-123	236229-126	236229-128
Your Reference	UNITS	398/0.1	421/0.1	422/0.1	423/0.1	424/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	103	106	115	117	114

svTRH (C10-C40) in Soil						
Our Reference		236229-130	236229-132	236229-134	236229-136	236229-138
Your Reference	UNITS	425/0.1	440/0.1	441/0.1	442/0.1	443/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	106	80	94	91	91

svTRH (C10-C40) in Soil						
Our Reference		236229-140	236229-142	236229-144	236229-146	236229-153
Your Reference	UNITS	444/0.1	445/0.1	446/0.1	447/0.1	448/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	110	<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	120	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	120	<50	<50	<50	<50
Surrogate o-Terphenyl	%	92	91	88	94	103

svTRH (C10-C40) in Soil						
Our Reference		236229-155	236229-157	236229-159	236229-161	236229-163
Your Reference	UNITS	449/0.1	450/0.1	451/0.1	452/0.1	453/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	91	100	92	98	113

svTRH (C10-C40) in Soil						
Our Reference		236229-165	236229-167	236229-169	236229-171	236229-173
Your Reference	UNITS	454/0.1	455/0.1	456/0.1	470/0.1	472/0.1
Date Sampled		04/02/2020	03/02/2020	05/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	101	101	101	112	100

svTRH (C10-C40) in Soil						
Our Reference		236229-175	236229-177	236229-179	236229-181	236229-183
Your Reference	UNITS	473/0.1	474/0.1	572/0.1	574/0.1	575/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	100	97	112	104	100

svTRH (C10-C40) in Soil						
Our Reference		236229-185	236229-189	236229-191	236229-195	236229-198
Your Reference	UNITS	578/0.1	580/0.1	581/0.1	582/0.1	583/0.2
Date Sampled		03/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	110	<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	120	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	120	<50	<50
Surrogate o-Terphenyl	%	96	99	100	113	97

svTRH (C10-C40) in Soil						
Our Reference		236229-200	236229-202	236229-204	236229-207	236229-212
Your Reference	UNITS	584/0.1	585/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		03/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	140	<100	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	140	<50	<50	<50	<50
Surrogate o-Terphenyl	%	91	89	101	98	102

svTRH (C10-C40) in Soil						
Our Reference		236229-215	236229-218	236229-222	236229-228	236229-231
Your Reference	UNITS	597/0.1	598/0.5	599/0.1	593/1.0	601/1.0
Date Sampled		05/02/2020	04/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	100	97	97	90	98

svTRH (C10-C40) in Soil						
Our Reference		236229-233	236229-237	236229-240	236229-243	236229-245
Your Reference	UNITS	602/0.1	603/0.5	604/0.1	605/0.1	606/0.5
Date Sampled		03/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C 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	%	89	97	89	90	98

svTRH (C10-C40) in Soil						
Our Reference		236229-247	236229-249	236229-253	236229-254	236229-255
Your Reference	UNITS	607/0.1	608/0.1	SS9	SS10	SS11
Date Sampled		03/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	52
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	910	110	1,000
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	790	100	1,100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	64	50	84
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	64	50	84
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	1,600	140	1,900
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	220	<100	370
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	1,900	190	2,400
Surrogate o-Terphenyl	%	88	89	121	99	119

svTRH (C10-C40) in Soil						
Our Reference		236229-257	236229-258	236229-259	236229-260	236229-263
Your Reference	UNITS	SS13	SS14	SS15	BD2/300120	BD2/030220
Date Sampled		04/02/2020	05/02/2020	05/02/2020	30/01/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	200	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	1,200	6,100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	1,100	4,200	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	79	320	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	79	320	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	2,200	9,900	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	320	1,100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	2,500	11,000	<50	<50
Surrogate o-Terphenyl	%	89	125	#	98	97

svTRH (C10-C40) in Soil						
Our Reference		236229-266	236229-271	236229-273	236229-276	236229-277
Your Reference	UNITS	BD2/040220	469/0.1	465/0.1	SS5	SS6
Date Sampled		04/02/2020	-	-	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	140	<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	130	100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	110	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	240	100
Surrogate o-Terphenyl	%	97	99	96	97	105

svTRH (C10-C40) in Soil		
Our Reference		236229-278
Your Reference	UNITS	SS7
Date Sampled		-
Type of sample		Soil
Date extracted	-	12/02/2020
Date analysed	-	15/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100
TRH C ₂₉ - C ₃₆	mg/kg	170
TRH >C ₁₀ -C ₁₆	mg/kg	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50
TRH >C ₁₆ -C ₃₄	mg/kg	200
TRH >C ₃₄ -C ₄₀	mg/kg	<100
Total +ve TRH (>C ₁₀ -C ₄₀)	mg/kg	200
Surrogate o-Terphenyl	%	95

PAHs in Soil						
Our Reference		236229-1	236229-6	236229-10	236229-14	236229-23
Your Reference	UNITS	321/0.1	337/0.1	339/0.1	351/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate p-Terphenyl-d14	%	103	97	100	95	97

PAHs in Soil						
Our Reference		236229-27	236229-29	236229-33	236229-38	236229-43
Your Reference	UNITS	383/0.1	431/0.1	433/0.1	435/0.1	437/0.5
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	93	102	98	101	98

PAHs in Soil						
Our Reference		236229-51	236229-53	236229-57	236229-64	236229-68
Your Reference	UNITS	457/0.1	459/0.1	461/0.1	465/0.1	467/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	101	94	95	102	95

PAHs in Soil						
Our Reference		236229-72	236229-79	236229-83	236229-87	236229-89
Your Reference	UNITS	576/0.2	586/0.1	588/0.1	590/0.1	591/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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	1.4	<0.1	<0.1	0.5	<0.1
Anthracene	mg/kg	0.3	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	2.0	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	1.7	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.8	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.6	<0.1	<0.1	0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	1	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	0.73	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	0.4	<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	0.4	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	9.8	<0.05	<0.05	0.60	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	1.1	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	1.1	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	1.1	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	98	103	103	102	100

PAHs in Soil						
Our Reference		236229-97	236229-101	236229-107	236229-111	236229-115
Your Reference	UNITS	363/0.1	397/0.1	415/0.1	417/0.1	419/0.1
Date Sampled		03/02/2020	05/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	97	99	101	101	95

PAHs in Soil						
Our Reference		236229-121	236229-126	236229-130	236229-134	236229-138
Your Reference	UNITS	421/0.1	423/0.1	425/0.1	441/0.1	443/0.1
Date Sampled		03/02/2020	03/02/2020	05/02/2020	03/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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	0.06	<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
Total +ve PAH's	mg/kg	<0.05	<0.05	0.3	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	98	99	102	93	103

PAHs in Soil						
Our Reference		236229-142	236229-146	236229-155	236229-159	236229-163
Your Reference	UNITS	445/0.1	447/0.1	449/0.1	451/0.1	453/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	96	98	96	91	101

PAHs in Soil						
Our Reference		236229-167	236229-175	236229-181	236229-185	236229-189
Your Reference	UNITS	455/0.1	473/0.1	574/0.1	578/0.1	580/0.1
Date Sampled		03/02/2020	05/02/2020	05/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	15/02/2020	15/02/2020	15/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	102	95	86	97	102

PAHs in Soil						
Our Reference		236229-195	236229-200	236229-207	236229-215	236229-222
Your Reference	UNITS	582/0.1	584/0.1	595/0.3	597/0.1	599/0.1
Date Sampled		05/02/2020	03/02/2020	05/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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	0.2
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.3
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	2.9
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.7
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	2.9
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	2.9
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	1.2
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	1.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	1
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	1.0
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.4
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	0.4
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	15
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.4
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.4
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.4
Surrogate <i>p</i> -Terphenyl-d14	%	95	89	89	91	87

PAHs in Soil						
Our Reference		236229-228	236229-231	236229-233	236229-237	236229-243
Your Reference	UNITS	593/1.0	601/1.0	602/0.1	603/0.5	605/0.1
Date Sampled		03/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
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
Surrogate <i>p</i> -Terphenyl-d14	%	90	86	90	94	81

PAHs in Soil						
Our Reference		236229-253	236229-254	236229-255	236229-257	236229-258
Your Reference	UNITS	SS9	SS10	SS11	SS13	SS14
Date Sampled		03/02/2020	04/02/2020	04/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
Naphthalene	mg/kg	<0.1	<0.1	0.2	<0.1	<0.1
Acenaphthylene	mg/kg	0.9	<0.1	1.2	<0.1	1.1
Acenaphthene	mg/kg	0.5	<0.1	0.7	<0.1	0.2
Fluorene	mg/kg	0.2	<0.1	0.2	<0.1	0.2
Phenanthrene	mg/kg	0.5	0.7	1.7	<0.1	0.8
Anthracene	mg/kg	0.9	<0.1	1.1	<0.1	0.6
Fluoranthene	mg/kg	6.2	1.2	14	<0.1	31
Pyrene	mg/kg	11	0.7	18	<0.1	27
Benzo(a)anthracene	mg/kg	21	<0.1	20	<0.1	30
Chrysene	mg/kg	23	0.4	24	<0.1	35
Benzo(b,j+k)fluoranthene	mg/kg	71	0.3	82	<0.2	92
Benzo(a)pyrene	mg/kg	26	<0.05	36	<0.05	33
Indeno(1,2,3-c,d)pyrene	mg/kg	12	<0.1	21	<0.1	16
Dibenzo(a,h)anthracene	mg/kg	4.5	<0.1	2.2	<0.1	4.6
Benzo(g,h,i)perylene	mg/kg	11	<0.1	20	<0.1	11
Total +ve PAH's	mg/kg	190	3.3	240	<0.05	280
Benzo(a)pyrene TEQ calc (zero)	mg/kg	41	<0.5	51	<0.5	52
Benzo(a)pyrene TEQ calc(half)	mg/kg	41	<0.5	51	<0.5	52
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	41	<0.5	51	<0.5	52
Surrogate p-Terphenyl-d14	%	88	84	101	85	102

PAHs in Soil						
Our Reference		236229-259	236229-271	236229-273	236229-276	236229-277
Your Reference	UNITS	SS15	469/0.1	465/0.1	SS5	SS6
Date Sampled		05/02/2020	-	-	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Date analysed	-	15/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Naphthalene	mg/kg	1.0	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	6.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	5.5	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	2.2	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	7.5	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	6.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	130	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	180	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	170	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	210	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	390	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	140	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	65	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	26	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	54	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	1,400	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	230	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	230	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	230	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	90	86	83	82	84

PAHs in Soil		
Our Reference		236229-278
Your Reference	UNITS	SS7
Date Sampled		-
Type of sample		Soil
Date extracted	-	13/02/2020
Date analysed	-	14/02/2020
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo(a)anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2
Benzo(a)pyrene	mg/kg	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1
Total +ve PAH's	mg/kg	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	81

Organochlorine Pesticides in soil						
Our Reference		236229-1	236229-6	236229-10	236229-14	236229-23
Your Reference	UNITS	321/0.1	337/0.1	339/0.1	351/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	88	84	89	85	84

Organochlorine Pesticides in soil						
Our Reference		236229-27	236229-29	236229-33	236229-38	236229-43
Your Reference	UNITS	383/0.1	431/0.1	433/0.1	435/0.1	437/0.5
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	81	83	88	82	87

Organochlorine Pesticides in soil						
Our Reference		236229-51	236229-53	236229-57	236229-64	236229-68
Your Reference	UNITS	457/0.1	459/0.1	461/0.1	465/0.1	467/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	89	83	84	92	86

Organochlorine Pesticides in soil						
Our Reference		236229-72	236229-74	236229-77	236229-79	236229-83
Your Reference	UNITS	576/0.2	577/0.3	579/0.1	586/0.1	588/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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	0.2	<0.1
Endrin	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-DDD	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
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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	94	83	122	125

Organochlorine Pesticides in soil						
Our Reference		236229-87	236229-89	236229-97	236229-101	236229-107
Your Reference	UNITS	590/0.1	591/0.1	363/0.1	397/0.1	415/0.1
Date Sampled		30/01/2020	30/01/2020	03/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	92	91	107	89	92

Organochlorine Pesticides in soil						
Our Reference		236229-111	236229-115	236229-121	236229-126	236229-130
Your Reference	UNITS	417/0.1	419/0.1	421/0.1	423/0.1	425/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	91	85	88	89	91

Organochlorine Pesticides in soil						
Our Reference		236229-134	236229-138	236229-142	236229-146	236229-155
Your Reference	UNITS	441/0.1	443/0.1	445/0.1	447/0.1	449/0.1
Date Sampled		03/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	92	87	87	88

Organochlorine Pesticides in soil						
Our Reference		236229-159	236229-163	236229-167	236229-175	236229-179
Your Reference	UNITS	451/0.1	453/0.1	455/0.1	473/0.1	572/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	90	91	84	91

Organochlorine Pesticides in soil						
Our Reference		236229-181	236229-183	236229-185	236229-189	236229-191
Your Reference	UNITS	574/0.1	575/0.1	578/0.1	580/0.1	581/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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	0.4	<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
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	0.4	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	0.2	<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	1.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	76	83	85	84	112

Organochlorine Pesticides in soil						
Our Reference		236229-195	236229-200	236229-204	236229-207	236229-212
Your Reference	UNITS	582/0.1	584/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		05/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	75	80	78	77

Organochlorine Pesticides in soil						
Our Reference		236229-215	236229-222	236229-228	236229-231	236229-233
Your Reference	UNITS	597/0.1	599/0.1	593/1.0	601/1.0	602/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	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
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
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
Endosulfan II	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
Endrin Aldehyde	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
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	%	77	78	77	61	75

Organochlorine Pesticides in soil					
Our Reference		236229-237	236229-243	236229-271	236229-273
Your Reference	UNITS	603/0.5	605/0.1	469/0.1	465/0.1
Date Sampled		03/02/2020	03/02/2020	-	-
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	13/02/2020	13/02/2020
Date analysed	-	15/02/2020	15/02/2020	14/02/2020	14/02/2020
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1
gamma-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
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1
pp-DDT	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	%	80	74	83	80

Organophosphorus Pesticides in Soil						
Our Reference		236229-1	236229-6	236229-10	236229-14	236229-23
Your Reference	UNITS	321/0.1	337/0.1	339/0.1	351/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	88	84	89	85	84

Organophosphorus Pesticides in Soil						
Our Reference		236229-27	236229-29	236229-33	236229-38	236229-43
Your Reference	UNITS	383/0.1	431/0.1	433/0.1	435/0.1	437/0.5
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	81	83	88	82	87

Organophosphorus Pesticides in Soil						
Our Reference		236229-51	236229-53	236229-57	236229-64	236229-68
Your Reference	UNITS	457/0.1	459/0.1	461/0.1	465/0.1	467/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	89	83	84	92	86

Organophosphorus Pesticides in Soil						
Our Reference		236229-72	236229-74	236229-77	236229-79	236229-83
Your Reference	UNITS	576/0.2	577/0.3	579/0.1	586/0.1	588/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	90	94	83	122	125

Organophosphorus Pesticides in Soil						
Our Reference		236229-87	236229-89	236229-97	236229-101	236229-107
Your Reference	UNITS	590/0.1	591/0.1	363/0.1	397/0.1	415/0.1
Date Sampled		30/01/2020	30/01/2020	03/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	92	91	107	89	92

Organophosphorus Pesticides in Soil						
Our Reference		236229-111	236229-115	236229-121	236229-126	236229-130
Your Reference	UNITS	417/0.1	419/0.1	421/0.1	423/0.1	425/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	91	85	88	89	91

Organophosphorus Pesticides in Soil						
Our Reference		236229-134	236229-138	236229-142	236229-146	236229-155
Your Reference	UNITS	441/0.1	443/0.1	445/0.1	447/0.1	449/0.1
Date Sampled		03/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	84	92	87	87	88

Organophosphorus Pesticides in Soil						
Our Reference		236229-159	236229-163	236229-167	236229-175	236229-179
Your Reference	UNITS	451/0.1	453/0.1	455/0.1	473/0.1	572/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	82	90	91	84	91

Organophosphorus Pesticides in Soil						
Our Reference		236229-181	236229-183	236229-185	236229-189	236229-191
Your Reference	UNITS	574/0.1	575/0.1	578/0.1	580/0.1	581/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	76	83	85	84	112

Organophosphorus Pesticides in Soil						
Our Reference		236229-195	236229-200	236229-204	236229-207	236229-212
Your Reference	UNITS	582/0.1	584/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		05/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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
Diazinon	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
Ronnel	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
Chlorpyriphos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	83	75	80	78	77

Organophosphorus Pesticides in Soil						
Our Reference		236229-215	236229-222	236229-228	236229-231	236229-233
Your Reference	UNITS	597/0.1	599/0.1	593/1.0	601/1.0	602/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	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
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
Chlorpyrifos	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
Bromophos-ethyl	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
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	77	78	77	61	75

Organophosphorus Pesticides in Soil					
Our Reference		236229-237	236229-243	236229-271	236229-273
Your Reference	UNITS	603/0.5	605/0.1	469/0.1	465/0.1
Date Sampled		03/02/2020	03/02/2020	-	-
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	13/02/2020	13/02/2020
Date analysed	-	15/02/2020	15/02/2020	14/02/2020	14/02/2020
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Ronnel	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
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	80	74	83	80

PCBs in Soil						
Our Reference		236229-1	236229-6	236229-10	236229-14	236229-23
Your Reference	UNITS	321/0.1	337/0.1	339/0.1	351/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	88	84	89	85	84

PCBs in Soil						
Our Reference		236229-27	236229-29	236229-33	236229-38	236229-43
Your Reference	UNITS	383/0.1	431/0.1	433/0.1	435/0.1	437/0.5
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	81	83	88	82	87

PCBs in Soil						
Our Reference		236229-51	236229-53	236229-57	236229-64	236229-68
Your Reference	UNITS	457/0.1	459/0.1	461/0.1	465/0.1	467/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	89	83	84	92	86

PCBs in Soil						
Our Reference		236229-72	236229-74	236229-77	236229-79	236229-83
Your Reference	UNITS	576/0.2	577/0.3	579/0.1	586/0.1	588/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	90	94	83	122	125

PCBs in Soil						
Our Reference		236229-87	236229-89	236229-97	236229-101	236229-107
Your Reference	UNITS	590/0.1	591/0.1	363/0.1	397/0.1	415/0.1
Date Sampled		30/01/2020	30/01/2020	03/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	92	91	107	89	92

PCBs in Soil						
Our Reference		236229-111	236229-115	236229-121	236229-126	236229-130
Your Reference	UNITS	417/0.1	419/0.1	421/0.1	423/0.1	425/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	91	85	88	89	91

PCBs in Soil						
Our Reference		236229-134	236229-138	236229-142	236229-146	236229-155
Your Reference	UNITS	441/0.1	443/0.1	445/0.1	447/0.1	449/0.1
Date Sampled		03/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	84	92	87	87	88

PCBs in Soil						
Our Reference		236229-159	236229-163	236229-167	236229-175	236229-179
Your Reference	UNITS	451/0.1	453/0.1	455/0.1	473/0.1	572/0.1
Date Sampled		04/02/2020	04/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
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 TCMX	%	82	90	91	84	91

PCBs in Soil						
Our Reference		236229-181	236229-183	236229-185	236229-189	236229-191
Your Reference	UNITS	574/0.1	575/0.1	578/0.1	580/0.1	581/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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 TCMX	%	76	83	85	84	112

PCBs in Soil						
Our Reference		236229-195	236229-200	236229-204	236229-207	236229-212
Your Reference	UNITS	582/0.1	584/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		05/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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 TCMX	%	83	75	80	78	77

PCBs in Soil						
Our Reference		236229-215	236229-222	236229-228	236229-231	236229-233
Your Reference	UNITS	597/0.1	599/0.1	593/1.0	601/1.0	602/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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 TCMX	%	77	78	77	61	75

PCBs in Soil						
Our Reference		236229-237	236229-243	236229-253	236229-254	236229-255
Your Reference	UNITS	603/0.5	605/0.1	SS9	SS10	SS11
Date Sampled		03/02/2020	03/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	15/02/2020	15/02/2020
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 TCMX	%	80	74	81	78	90

PCBs in Soil						
Our Reference		236229-257	236229-258	236229-259	236229-271	236229-273
Your Reference	UNITS	SS13	SS14	SS15	469/0.1	465/0.1
Date Sampled		04/02/2020	05/02/2020	05/02/2020	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	12/02/2020	12/02/2020	12/02/2020	13/02/2020	13/02/2020
Date analysed	-	15/02/2020	15/02/2020	15/02/2020	14/02/2020	14/02/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	79	102	88	83	80

PCBs in Soil				
Our Reference		236229-276	236229-277	236229-278
Your Reference	UNITS	SS5	SS6	SS7
Date Sampled		-	-	-
Type of sample		Soil	Soil	Soil
Date extracted	-	13/02/2020	13/02/2020	13/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	2.9
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	2.9
Surrogate TCMX	%	80	81	81

Acid Extractable metals in soil						
Our Reference		236229-1	236229-2	236229-4	236229-6	236229-8
Your Reference	UNITS	321/0.1	322/0.1	336/0.1	337/0.1	338/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	9	9	8	10	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	29	22	22	22	34
Copper	mg/kg	6	23	17	11	6
Lead	mg/kg	17	21	18	16	17
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	13	10	7	5
Zinc	mg/kg	13	36	30	25	8

Acid Extractable metals in soil						
Our Reference		236229-10	236229-12	236229-14	236229-16	236229-23
Your Reference	UNITS	339/0.1	350/0.1	351/0.1	352/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	9	7	8	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	27	28	15	22	27
Copper	mg/kg	9	6	10	20	12
Lead	mg/kg	17	18	20	16	17
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	4	5	9	6	6
Zinc	mg/kg	15	13	37	22	21

Acid Extractable metals in soil						
Our Reference		236229-25	236229-27	236229-29	236229-31	236229-33
Your Reference	UNITS	382/0.1	383/0.1	431/0.1	432/0.1	433/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	13	8	7	7	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	24	21	21	19
Copper	mg/kg	12	17	16	19	17
Lead	mg/kg	19	19	18	23	12
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	8	7	8	30
Zinc	mg/kg	34	33	36	120	34

Acid Extractable metals in soil						
Our Reference		236229-35	236229-38	236229-40	236229-43	236229-45
Your Reference	UNITS	434/0.1	435/0.1	436/0.1	437/0.5	438/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	4	7	21	10	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	21	16	19	18	20
Copper	mg/kg	16	23	15	17	14
Lead	mg/kg	120	40	21	20	19
Mercury	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	16	16	9	8	7
Zinc	mg/kg	72	61	42	34	26

Acid Extractable metals in soil						
Our Reference		236229-47	236229-49	236229-51	236229-53	236229-55
Your Reference	UNITS	439/0.1	458/0.1	457/0.1	459/0.1	460/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	9	6	8	4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	22	24	16	16	11
Copper	mg/kg	11	18	16	20	18
Lead	mg/kg	15	21	16	20	20
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	6	7	8	10	12
Zinc	mg/kg	25	26	37	35	59

Acid Extractable metals in soil						
Our Reference		236229-57	236229-59	236229-62	236229-64	236229-66
Your Reference	UNITS	461/0.1	462/0.1	464/0.1	465/0.1	466/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	4	7	9	5	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	15	14	15	14	20
Copper	mg/kg	28	22	24	27	16
Lead	mg/kg	19	18	27	16	20
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	16	10	23	9	9
Zinc	mg/kg	68	63	80	35	26

Acid Extractable metals in soil						
Our Reference		236229-68	236229-70	236229-72	236229-74	236229-77
Your Reference	UNITS	467/0.1	468/0.1	576/0.2	577/0.3	579/0.1
Date Sampled		31/01/2020	31/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	8	9	<4	7
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	14	19	19	9	16
Copper	mg/kg	14	14	20	21	18
Lead	mg/kg	16	21	38	15	30
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	11	10	6	10
Zinc	mg/kg	21	42	81	98	52

Acid Extractable metals in soil						
Our Reference		236229-79	236229-81	236229-83	236229-85	236229-87
Your Reference	UNITS	586/0.1	587/0.1	588/0.1	589/0.1	590/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	10	10	9	7	9
Cadmium	mg/kg	0.6	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	33	22	22	24
Copper	mg/kg	37	9	18	11	11
Lead	mg/kg	26	18	27	20	18
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	9	4	9	8	5
Zinc	mg/kg	45	26	77	33	27

Client Reference: 86548.03, Badgerys Creek DSI

Acid Extractable metals in soil						
Our Reference		236229-89	236229-91	236229-93	236229-95	236229-97
Your Reference	UNITS	591/0.1	592/0.1	360/0.1	362/0.1	363/0.1
Date Sampled		30/01/2020	31/01/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	31	13	<4	5	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	13	13	13	13
Copper	mg/kg	14	20	6	10	7
Lead	mg/kg	25	14	10	18	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	11	5	4	8	4
Zinc	mg/kg	77	38	8	23	14

Acid Extractable metals in soil						
Our Reference		236229-99	236229-101	236229-103	236229-105	236229-107
Your Reference	UNITS	396/0.1	397/0.1	404/0.1	414/0.1	415/0.1
Date Sampled		05/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	8	12	7	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	24	21	23	19	24
Copper	mg/kg	22	22	18	23	18
Lead	mg/kg	25	23	21	24	21
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	12	13	9	25	20
Zinc	mg/kg	46	52	29	74	60

Acid Extractable metals in soil						
Our Reference		236229-109	236229-111	236229-113	236229-115	236229-117
Your Reference	UNITS	416/0.1	417/0.1	418/0.1	419/0.1	420/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	5	6	6	7	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	15	16	17	17	18
Copper	mg/kg	9	8	12	10	5
Lead	mg/kg	16	24	18	25	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	6	7	7	4
Zinc	mg/kg	19	20	25	20	8

Acid Extractable metals in soil						
Our Reference		236229-119	236229-121	236229-123	236229-126	236229-128
Your Reference	UNITS	398/0.1	421/0.1	422/0.1	423/0.1	424/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	10	9	10	8	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	37	25	27	21	17
Copper	mg/kg	7	10	11	19	20
Lead	mg/kg	20	24	20	20	17
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	8	7	13	13
Zinc	mg/kg	17	22	120	56	83

Acid Extractable metals in soil						
Our Reference		236229-130	236229-132	236229-134	236229-136	236229-138
Your Reference	UNITS	425/0.1	440/0.1	441/0.1	442/0.1	443/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	9	5	8	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	17	27	16	18	19
Copper	mg/kg	19	15	16	17	18
Lead	mg/kg	17	18	17	23	21
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	13	8	8	11	12
Zinc	mg/kg	42	24	28	49	43

Acid Extractable metals in soil						
Our Reference		236229-140	236229-142	236229-144	236229-146	236229-153
Your Reference	UNITS	444/0.1	445/0.1	446/0.1	447/0.1	448/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	8	7	5	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	18	24	18	11	12
Copper	mg/kg	18	11	7	8	11
Lead	mg/kg	17	21	18	18	16
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	7	5	5	7
Zinc	mg/kg	29	23	14	10	15

Acid Extractable metals in soil						
Our Reference		236229-155	236229-157	236229-159	236229-161	236229-163
Your Reference	UNITS	449/0.1	450/0.1	451/0.1	452/0.1	453/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	7	12	11	10	8
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	14	23	26	21	18
Copper	mg/kg	10	18	27	16	16
Lead	mg/kg	22	27	24	20	19
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	6	14	14	9	9
Zinc	mg/kg	19	45	54	35	42

Acid Extractable metals in soil						
Our Reference		236229-165	236229-167	236229-169	236229-171	236229-173
Your Reference	UNITS	454/0.1	455/0.1	456/0.1	470/0.1	472/0.1
Date Sampled		04/02/2020	03/02/2020	05/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	10	7	6	10	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	20	16	12	24	18
Copper	mg/kg	15	12	15	11	23
Lead	mg/kg	20	12	19	21	16
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	7	3	10	8	7
Zinc	mg/kg	49	15	24	36	29

Acid Extractable metals in soil						
Our Reference		236229-175	236229-177	236229-179	236229-181	236229-183
Your Reference	UNITS	473/0.1	474/0.1	572/0.1	574/0.1	575/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	8	7	7	12	9
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	19	19	16	24	24
Copper	mg/kg	24	18	17	23	13
Lead	mg/kg	22	25	22	73	20
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	11	13	7	9	9
Zinc	mg/kg	50	39	19	81	30

Acid Extractable metals in soil						
Our Reference		236229-185	236229-189	236229-191	236229-195	236229-198
Your Reference	UNITS	578/0.1	580/0.1	581/0.1	582/0.1	583/0.2
Date Sampled		03/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	<4	9	<4	7	10
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	35	20	7	24	21
Copper	mg/kg	27	23	26	9	18
Lead	mg/kg	7	48	13	22	22
Mercury	mg/kg	<0.1	0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	18	12	12	7	9
Zinc	mg/kg	29	37	48	34	190

Client Reference: 86548.03, Badgerys Creek DSI

Acid Extractable metals in soil						
Our Reference		236229-200	236229-202	236229-204	236229-207	236229-212
Your Reference	UNITS	584/0.1	585/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		03/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	10	6	<4	<4	6
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	15	19	4	<1	14
Copper	mg/kg	21	18	4	1	29
Lead	mg/kg	38	21	2,100	120	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	12	1	<1	13
Zinc	mg/kg	110	53	85	130	65

Acid Extractable metals in soil						
Our Reference		236229-215	236229-218	236229-222	236229-228	236229-231
Your Reference	UNITS	597/0.1	598/0.5	599/0.1	593/1.0	601/1.0
Date Sampled		05/02/2020	04/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	4	8	8	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	13	19	16	4	10
Copper	mg/kg	22	19	20	6	9
Lead	mg/kg	13	19	20	16	6
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	12	13	11	2	6
Zinc	mg/kg	40	38	39	97	42

Acid Extractable metals in soil						
Our Reference		236229-233	236229-237	236229-240	236229-243	236229-245
Your Reference	UNITS	602/0.1	603/0.5	604/0.1	605/0.1	606/0.5
Date Sampled		03/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	5	<4	5	9	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	12	11	15	19	16
Copper	mg/kg	28	12	26	18	26
Lead	mg/kg	15	15	13	16	28
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	12	26	9	21
Zinc	mg/kg	42	40	64	40	70

Acid Extractable metals in soil						
Our Reference		236229-247	236229-249	236229-253	236229-254	236229-255
Your Reference	UNITS	607/0.1	608/0.1	SS9	SS10	SS11
Date Sampled		03/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	7	9	110	14	31
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	16	24	34	19	61
Copper	mg/kg	20	15	48	30	35
Lead	mg/kg	22	25	18	16	13
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	21	10	11	9	47
Zinc	mg/kg	56	59	55	160	200

Acid Extractable metals in soil						
Our Reference		236229-257	236229-258	236229-259	236229-260	236229-263
Your Reference	UNITS	SS13	SS14	SS15	BD2/300120	BD2/030220
Date Sampled		04/02/2020	05/02/2020	05/02/2020	30/01/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	20	50	160	16	4
Cadmium	mg/kg	<0.4	0.6	<0.4	<0.4	<0.4
Chromium	mg/kg	20	33	71	26	14
Copper	mg/kg	22	30	95	19	7
Lead	mg/kg	16	36	47	20	14
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	9	5	5	5
Zinc	mg/kg	54	210	110	36	15

Acid Extractable metals in soil						
Our Reference		236229-266	236229-271	236229-273	236229-276	236229-277
Your Reference	UNITS	BD2/040220	469/0.1	465/0.1	SS5	SS6
Date Sampled		04/02/2020	-	-	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Arsenic	mg/kg	4	7	7	120	71
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	0.6
Chromium	mg/kg	12	16	15	62	25
Copper	mg/kg	11	14	23	56	47
Lead	mg/kg	15	17	17	19	19
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	6	9	8	8	8
Zinc	mg/kg	14	26	30	86	450

Acid Extractable metals in soil		
Our Reference		236229-278
Your Reference	UNITS	SS7
Date Sampled		-
Type of sample		Soil
Date prepared	-	12/02/2020
Date analysed	-	13/02/2020
Arsenic	mg/kg	34
Cadmium	mg/kg	<0.4
Chromium	mg/kg	39
Copper	mg/kg	28
Lead	mg/kg	18
Mercury	mg/kg	<0.1
Nickel	mg/kg	4
Zinc	mg/kg	150

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		236229-1	236229-2	236229-4	236229-6	236229-8
Your Reference	UNITS	321/0.1	322/0.1	336/0.1	337/0.1	338/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	7.1	11	11	6.3	12

Moisture						
Our Reference		236229-10	236229-12	236229-14	236229-16	236229-23
Your Reference	UNITS	339/0.1	350/0.1	351/0.1	352/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	11	6.3	7.3	16	8.4

Moisture						
Our Reference		236229-25	236229-27	236229-29	236229-31	236229-33
Your Reference	UNITS	382/0.1	383/0.1	431/0.1	432/0.1	433/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	9.1	8.8	12	11	7.2

Moisture						
Our Reference		236229-35	236229-38	236229-40	236229-43	236229-45
Your Reference	UNITS	434/0.1	435/0.1	436/0.1	437/0.5	438/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	3.6	11	9.0	10	9.6

Moisture						
Our Reference		236229-47	236229-49	236229-51	236229-53	236229-55
Your Reference	UNITS	439/0.1	458/0.1	457/0.1	459/0.1	460/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	7.5	10	11	11	8.9

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		236229-57	236229-59	236229-62	236229-64	236229-66
Your Reference	UNITS	461/0.1	462/0.1	464/0.1	465/0.1	466/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	9.4	9.3	11	11	12

Moisture						
Our Reference		236229-68	236229-70	236229-72	236229-74	236229-77
Your Reference	UNITS	467/0.1	468/0.1	576/0.2	577/0.3	579/0.1
Date Sampled		31/01/2020	31/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	11	10	6.4	60	6.0

Moisture						
Our Reference		236229-79	236229-81	236229-83	236229-85	236229-87
Your Reference	UNITS	586/0.1	587/0.1	588/0.1	589/0.1	590/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	11	3.8	12	10	7.3

Moisture						
Our Reference		236229-89	236229-91	236229-93	236229-95	236229-97
Your Reference	UNITS	591/0.1	592/0.1	360/0.1	362/0.1	363/0.1
Date Sampled		30/01/2020	31/01/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	8.9	11	6.3	13	9.5

Moisture						
Our Reference		236229-99	236229-101	236229-103	236229-105	236229-107
Your Reference	UNITS	396/0.1	397/0.1	404/0.1	414/0.1	415/0.1
Date Sampled		05/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	9.5	11	11	10	12

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		236229-109	236229-111	236229-113	236229-115	236229-117
Your Reference	UNITS	416/0.1	417/0.1	418/0.1	419/0.1	420/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	10	8.2	10	11	6.4

Moisture						
Our Reference		236229-119	236229-121	236229-123	236229-126	236229-128
Your Reference	UNITS	398/0.1	421/0.1	422/0.1	423/0.1	424/0.1
Date Sampled		05/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	7.4	9.6	8.5	12	11

Moisture						
Our Reference		236229-130	236229-132	236229-134	236229-136	236229-138
Your Reference	UNITS	425/0.1	440/0.1	441/0.1	442/0.1	443/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	11	9.4	7.5	11	9.4

Moisture						
Our Reference		236229-140	236229-142	236229-144	236229-146	236229-153
Your Reference	UNITS	444/0.1	445/0.1	446/0.1	447/0.1	448/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	11	11	6.2	8.2	6.4

Moisture						
Our Reference		236229-155	236229-157	236229-159	236229-161	236229-163
Your Reference	UNITS	449/0.1	450/0.1	451/0.1	452/0.1	453/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	6.7	9.6	9.9	8.8	9.0

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		236229-165	236229-167	236229-169	236229-171	236229-173
Your Reference	UNITS	454/0.1	455/0.1	456/0.1	470/0.1	472/0.1
Date Sampled		04/02/2020	03/02/2020	05/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	12	13	1.0	8.9	11

Moisture						
Our Reference		236229-175	236229-177	236229-179	236229-181	236229-183
Your Reference	UNITS	473/0.1	474/0.1	572/0.1	574/0.1	575/0.1
Date Sampled		05/02/2020	05/02/2020	03/02/2020	05/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	12	10	7.5	9.8	10

Moisture						
Our Reference		236229-185	236229-189	236229-191	236229-195	236229-198
Your Reference	UNITS	578/0.1	580/0.1	581/0.1	582/0.1	583/0.2
Date Sampled		03/02/2020	05/02/2020	05/02/2020	05/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	2.7	11	14	9.2	9.3

Moisture						
Our Reference		236229-200	236229-202	236229-204	236229-207	236229-212
Your Reference	UNITS	584/0.1	585/0.1	594/0.5	595/0.3	596/0.5
Date Sampled		03/02/2020	03/02/2020	05/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	16	11	0.5	2.3	9.6

Moisture						
Our Reference		236229-215	236229-218	236229-222	236229-228	236229-231
Your Reference	UNITS	597/0.1	598/0.5	599/0.1	593/1.0	601/1.0
Date Sampled		05/02/2020	04/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	8.8	7.1	6.1	2.3	4.8

Client Reference: 86548.03, Badgerys Creek DSI

Moisture						
Our Reference		236229-233	236229-237	236229-240	236229-243	236229-245
Your Reference	UNITS	602/0.1	603/0.5	604/0.1	605/0.1	606/0.5
Date Sampled		03/02/2020	03/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	7.1	3.9	12	11	12

Moisture						
Our Reference		236229-247	236229-249	236229-253	236229-254	236229-255
Your Reference	UNITS	607/0.1	608/0.1	SS9	SS10	SS11
Date Sampled		03/02/2020	05/02/2020	03/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	9.6	11	7.2	2.0	5.2

Moisture						
Our Reference		236229-257	236229-258	236229-259	236229-260	236229-263
Your Reference	UNITS	SS13	SS14	SS15	BD2/300120	BD2/030220
Date Sampled		04/02/2020	05/02/2020	05/02/2020	30/01/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	8.0	9.5	5.0	9.5	10

Moisture						
Our Reference		236229-266	236229-271	236229-273	236229-276	236229-277
Your Reference	UNITS	BD2/040220	469/0.1	465/0.1	SS5	SS6
Date Sampled		04/02/2020	-	-	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020
Date analysed	-	13/02/2020	13/02/2020	13/02/2020	13/02/2020	13/02/2020
Moisture	%	7.8	10	12	7.5	4.9

Moisture		
Our Reference		236229-278
Your Reference	UNITS	SS7
Date Sampled		-
Type of sample		Soil
Date prepared	-	12/02/2020
Date analysed	-	13/02/2020
Moisture	%	4.6

Asbestos ID - soils						
Our Reference		236229-1	236229-6	236229-10	236229-14	236229-23
Your Reference	UNITS	321/0.1	337/0.1	339/0.1	351/0.1	381/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 40g	Approx. 30g	Approx. 30g	Approx. 35g	Approx. 40g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-27	236229-29	236229-33	236229-38	236229-43
Your Reference	UNITS	383/0.1	431/0.1	433/0.1	435/0.1	437/0.5
Date Sampled		30/01/2020	30/01/2020	30/01/2020	30/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 40g	Approx. 45g	Approx. 35g	Approx. 45g	Approx. 40g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-51	236229-53	236229-57	236229-60	236229-64
Your Reference	UNITS	457/0.1	459/0.1	461/0.1	463/0.1	465/0.1
Date Sampled		31/01/2020	31/01/2020	31/01/2020	31/01/2020	31/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 40g	Approx. 35g	Approx. 35g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		236229-68	236229-72	236229-74	236229-77	236229-79
Your Reference	UNITS	467/0.1	576/0.2	577/0.3	579/0.1	586/0.1
Date Sampled		31/01/2020	30/01/2020	30/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 40g	Approx. 35g	Approx. 10g	Approx. 50g	Approx. 45g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		236229-83	236229-87	236229-89	236229-97	236229-101
Your Reference	UNITS	588/0.1	590/0.1	591/0.1	363/0.1	397/0.1
Date Sampled		30/01/2020	30/01/2020	30/01/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 45g	Approx. 40g	Approx. 35g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-107	236229-111	236229-115	236229-121	236229-126
Your Reference	UNITS	415/0.1	417/0.1	419/0.1	421/0.1	423/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 45g	Approx. 30g	Approx. 25g	Approx. 30g	Approx. 25g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		236229-130	236229-134	236229-138	236229-142	236229-146
Your Reference	UNITS	425/0.1	441/0.1	443/0.1	445/0.1	447/0.1
Date Sampled		05/02/2020	03/02/2020	04/02/2020	04/02/2020	04/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 45g	Approx. 30g	Approx. 40g	Approx. 35g	Approx. 25g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		236229-155	236229-159	236229-163	236229-167	236229-175
Your Reference	UNITS	449/0.1	451/0.1	453/0.1	455/0.1	473/0.1
Date Sampled		04/02/2020	04/02/2020	04/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 30g	Approx. 45g	Approx. 40g	Approx. 35g	Approx. 35g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-179	236229-181	236229-183	236229-185	236229-189
Your Reference	UNITS	572/0.1	574/0.1	575/0.1	578/0.1	580/0.1
Date Sampled		03/02/2020	05/02/2020	03/02/2020	03/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 30g	Approx. 40g	Approx. 40g	Approx. 60g	Approx. 55g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Asbestos ID - soils						
Our Reference		236229-191	236229-195	236229-200	236229-204	236229-207
Your Reference	UNITS	581/0.1	582/0.1	584/0.1	594/0.5	595/0.3
Date Sampled		05/02/2020	05/02/2020	03/02/2020	05/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 35g	Approx. 45g	Approx. 30g	Approx. 40g	Approx. 35g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-212	236229-215	236229-222	236229-228	236229-231
Your Reference	UNITS	596/0.5	597/0.1	599/0.1	593/1.0	601/1.0
Date Sampled		05/02/2020	05/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 85g	Approx. 50g	Approx. 55g	Approx. 70g	Approx. 70g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		236229-233	236229-237	236229-243	236229-271	236229-273
Your Reference	UNITS	602/0.1	603/0.5	605/0.1	469/0.1	465/0.1
Date Sampled		03/02/2020	03/02/2020	03/02/2020	-	-
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	17/02/2020	17/02/2020	17/02/2020	17/02/2020	17/02/2020
Sample mass tested	g	Approx. 55g	Approx. 45g	Approx. 45g	Approx. 50g	Approx. 75g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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
Asbestos comments	-	NO	NO	NO	NO	NO
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Client Reference: 86548.03, Badgerys Creek DSI

Misc Soil - Inorg						
Our Reference		236229-1	236229-38	236229-53	236229-72	236229-79
Your Reference	UNITS	321/0.1	435/0.1	459/0.1	576/0.2	586/0.1
Date Sampled		30/01/2020	30/01/2020	31/01/2020	30/01/2020	30/01/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference		236229-87	236229-89	236229-126	236229-146	236229-181
Your Reference	UNITS	590/0.1	591/0.1	423/0.1	447/0.1	574/0.1
Date Sampled		30/01/2020	30/01/2020	03/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference		236229-185	236229-189	236229-228	236229-231	236229-233
Your Reference	UNITS	578/0.1	580/0.1	593/1.0	601/1.0	602/0.1
Date Sampled		03/02/2020	05/02/2020	03/02/2020	03/02/2020	03/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference		236229-253	236229-254	236229-255	236229-257	236229-258
Your Reference	UNITS	SS9	SS10	SS11	SS13	SS14
Date Sampled		03/02/2020	04/02/2020	04/02/2020	04/02/2020	05/02/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg					
Our Reference		236229-259	236229-276	236229-277	236229-278
Your Reference	UNITS	SS15	SS5	SS6	SS7
Date Sampled		05/02/2020	-	-	-
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Date analysed	-	14/02/2020	14/02/2020	14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5

Asbestos ID - soils NEPM		
Our Reference		236229-256
Your Reference	UNITS	SS12
Date Sampled		04/02/2020
Type of sample		Soil
Date analysed	-	17/02/2020
Sample mass tested	g	435.54
Sample Description	-	Brown coarse-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected
Total Asbestos ^{#1}	g/kg	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected
ACM >7mm Estimation*	g	—
FA and AF Estimation*	g	—
FA and AF Estimation*#2	%(w/w)	<0.001

Misc Inorg - Soil		
Our Reference		236229-147
Your Reference	UNITS	447/0.5
Date Sampled		04/02/2020
Type of sample		Soil
Date prepared	-	15/02/2020
Date analysed	-	15/02/2020
Chloride, Cl 1:5 soil:water	mg/kg	99
Sulphate, SO4 1:5 soil:water	mg/kg	<10

Asbestos ID - materials				
Our Reference		236229-193	236229-197	236229-226
Your Reference	UNITS	581/PACM	AEC30 fibreglass	599 PACM
Date Sampled		05/02/2020	05/02/2020	03/02/2020
Type of sample		Material	Material	Material
Date analysed	-	13/02/2020	13/02/2020	13/02/2020
Mass / Dimension of Sample	-	83x66x3mm	113x64x3mm	65x55x25mm
Sample Description	-	Beige fibre cement material	White vitreous fibrous sheet	Beige compressed fibre cement material
Asbestos ID in materials	-	Chrysotile asbestos detected Amosite asbestos detected Crocidolite asbestos detected	No asbestos detected Synthetic mineral fibres detected	Chrysotile asbestos detected Amosite asbestos detected Crocidolite asbestos detected
Trace Analysis	-	[NT]	No asbestos detected	[NT]

Method ID	Methodology Summary
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.
ASB-001	<p>Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004.</p> <p>Results reported denoted with * are outside our scope of NATA accreditation.</p> <p>NOTE #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF)</p> <p>NOTE #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres.</p> <p>Estimation = Estimated asbestos weight</p> <p>Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.</p>
AT-008	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
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-081	Anions - a range of Anions are determined by Ion Chromatography, in accordance with APHA latest edition, 4110-B. Waters samples are filtered on receipt prior to analysis. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
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.

Client Reference: 86548.03, Badgerys Creek DSI

Method ID	Methodology Summary
Org-003	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.</p> <p>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.</p> <p>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).</p>
Org-006	<p>Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.</p>
Org-006	<p>Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.</p> <p>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.</p>
Org-012/017	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.</p>
Org-012/017	<p>Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS and/or GC-MS/MS.</p> <p>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.</p>
Org-012/017	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> 1. 'EQ 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. 'EQ 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. 'EQ 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. <p>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.</p>
Org-014	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.</p>
Org-016	<p>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.</p>
Org-016	<p>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.</p> <p>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.</p>

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-2
Date extracted	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			13/02/2020	1	13/02/2020	13/02/2020		13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	<25	1	<25	<25	0	100	97
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	<25	1	<25	<25	0	100	97
Benzene	mg/kg	0.2	Org-016	<0.2	1	<0.2	<0.2	0	88	92
Toluene	mg/kg	0.5	Org-016	<0.5	1	<0.5	<0.5	0	107	118
Ethylbenzene	mg/kg	1	Org-016	<1	1	<1	<1	0	102	95
m+p-xylene	mg/kg	2	Org-016	<2	1	<2	<2	0	101	91
o-Xylene	mg/kg	1	Org-016	<1	1	<1	<1	0	104	81
naphthalene	mg/kg	1	Org-014	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	120	1	117	126	7	118	116

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-53
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	13/02/2020	13/02/2020		13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	27	<25	<25	0	109	99
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	27	<25	<25	0	109	99
Benzene	mg/kg	0.2	Org-016	[NT]	27	<0.2	<0.2	0	105	100
Toluene	mg/kg	0.5	Org-016	[NT]	27	<0.5	<0.5	0	96	91
Ethylbenzene	mg/kg	1	Org-016	[NT]	27	<1	<1	0	122	101
m+p-xylene	mg/kg	2	Org-016	[NT]	27	<2	<2	0	112	101
o-Xylene	mg/kg	1	Org-016	[NT]	27	<1	<1	0	100	89
naphthalene	mg/kg	1	Org-014	[NT]	27	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	27	119	111	7	127	98

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-101
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	13/02/2020	13/02/2020		13/02/2020	13/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	51	<25	<25	0	83	76
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	51	<25	<25	0	83	76
Benzene	mg/kg	0.2	Org-016	[NT]	51	<0.2	<0.2	0	73	69
Toluene	mg/kg	0.5	Org-016	[NT]	51	<0.5	<0.5	0	80	76
Ethylbenzene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	86	78
m+p-xylene	mg/kg	2	Org-016	[NT]	51	<2	<2	0	87	79
o-Xylene	mg/kg	1	Org-016	[NT]	51	<1	<1	0	84	76
naphthalene	mg/kg	1	Org-014	[NT]	51	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	51	123	128	4	103	90

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-159
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	13/02/2020	13/02/2020		13/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	64	<25	<25	0	77	86
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	64	<25	<25	0	77	86
Benzene	mg/kg	0.2	Org-016	[NT]	64	<0.2	<0.2	0	72	72
Toluene	mg/kg	0.5	Org-016	[NT]	64	<0.5	<0.5	0	77	84
Ethylbenzene	mg/kg	1	Org-016	[NT]	64	<1	<1	0	79	91
m+p-xylene	mg/kg	2	Org-016	[NT]	64	<2	<2	0	79	91
o-Xylene	mg/kg	1	Org-016	[NT]	64	<1	<1	0	76	88
naphthalene	mg/kg	1	Org-014	[NT]	64	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	64	120	118	2	99	115

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	236229-207
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	97	13/02/2020	13/02/2020		14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	97	<25	<25	0	91	92
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	97	<25	<25	0	91	92
Benzene	mg/kg	0.2	Org-016	[NT]	97	<0.2	<0.2	0	83	78
Toluene	mg/kg	0.5	Org-016	[NT]	97	<0.5	<0.5	0	94	89
Ethylbenzene	mg/kg	1	Org-016	[NT]	97	<1	<1	0	105	98
m+p-xylene	mg/kg	2	Org-016	[NT]	97	<2	<2	0	86	98
o-Xylene	mg/kg	1	Org-016	[NT]	97	<1	<1	0	80	97
naphthalene	mg/kg	1	Org-014	[NT]	97	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	97	96	85	12	111	117

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	236229-258
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	111	13/02/2020	13/02/2020		14/02/2020	14/02/2020
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	111	<25	<25	0	95	94
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	111	<25	<25	0	95	94
Benzene	mg/kg	0.2	Org-016	[NT]	111	<0.2	<0.2	0	79	78
Toluene	mg/kg	0.5	Org-016	[NT]	111	<0.5	<0.5	0	93	90
Ethylbenzene	mg/kg	1	Org-016	[NT]	111	<1	<1	0	101	100
m+p-xylene	mg/kg	2	Org-016	[NT]	111	<2	<2	0	102	100
o-Xylene	mg/kg	1	Org-016	[NT]	111	<1	<1	0	105	98
naphthalene	mg/kg	1	Org-014	[NT]	111	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	111	87	96	10	112	116

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	13/02/2020	13/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	155	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	155	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	155	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	155	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	155	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	155	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	155	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	155	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	155	78	90	14	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	13/02/2020	13/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	175	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	175	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	175	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	175	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	175	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	175	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	175	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	175	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	175	96	92	4	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	202	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	202	13/02/2020	13/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	202	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	202	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	202	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	202	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	202	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	202	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	202	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	202	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	202	93	99	6	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	240	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	240	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	240	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	240	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	240	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	240	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	240	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	240	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	240	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	240	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	240	119	120	1	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	257	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	257	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	257	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	257	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	257	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	257	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	257	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	257	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	257	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	257	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	257	114	124	8	[NT]	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	[NT]	271	<25	<25	0	[NT]	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	[NT]	271	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	271	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	271	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	271	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	271	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	271	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	271	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	271	100	69	37	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-2
Date extracted	-			14/02/2020	1	12/02/2020	12/02/2020		14/02/2020	12/02/2020
Date analysed	-			15/02/2020	1	13/02/2020	13/02/2020		15/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	1	<50	<50	0	106	103
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	1	<100	<100	0	110	109
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	1	<100	<100	0	123	110
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	1	<50	<50	0	106	103
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	1	<100	<100	0	110	109
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	1	<100	<100	0	108	110
Surrogate o-Terphenyl	%		Org-003	83	1	108	105	3	93	102

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-53
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	13/02/2020	13/02/2020		13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	27	<50	<50	0	92	91
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	27	<100	<100	0	97	89
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	27	<100	<100	0	123	95
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	27	<50	<50	0	92	91
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	27	<100	<100	0	97	89
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	27	<100	<100	0	123	95
Surrogate o-Terphenyl	%		Org-003	[NT]	27	103	115	11	95	108

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-101
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	13/02/2020	13/02/2020		14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	51	<50	<50	0	89	88
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	51	<100	<100	0	97	91
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	51	<100	<100	0	108	131
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	51	<50	<50	0	89	88
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	51	<100	<100	0	97	91
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	51	<100	<100	0	108	131
Surrogate o-Terphenyl	%		Org-003	[NT]	51	103	103	0	93	105

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-159
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	14/02/2020	14/02/2020		13/02/2020	13/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	64	<50	<50	0	97	103
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	64	<100	<100	0	102	109
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	64	<100	<100	0	138	103
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	64	<50	<50	0	97	103
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	64	<100	<100	0	102	109
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	64	<100	<100	0	138	103
Surrogate o-Terphenyl	%		Org-003	[NT]	64	113	102	10	119	92

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	236229-207
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	97	14/02/2020	14/02/2020		13/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	97	<50	<50	0	99	98
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	97	<100	<100	0	112	109
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	97	<100	<100	0	123	111
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	97	<50	<50	0	99	98
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	97	<100	<100	0	112	109
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	97	<100	<100	0	123	111
Surrogate o-Terphenyl	%		Org-003	[NT]	97	105	114	8	111	98

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	236229-258
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	111	14/02/2020	14/02/2020		14/02/2020	14/02/2020
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	111	<50	<50	0	101	98
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	111	<100	<100	0	106	#
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	111	<100	<100	0	123	#
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	111	<50	<50	0	101	98
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	111	<100	<100	0	106	#
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	111	<100	<100	0	123	#
Surrogate o-Terphenyl	%		Org-003	[NT]	111	114	109	4	113	125

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	13/02/2020	13/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	155	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	155	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	155	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	155	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	155	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	155	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	155	91	99	8	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	13/02/2020	13/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	175	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	175	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	175	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	175	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	175	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	175	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	175	100	98	2	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	202	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	202	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	202	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	202	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	202	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	202	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	202	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	202	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	202	89	93	4	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	240	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	240	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	240	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	240	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	240	<100	140	33	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	240	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	240	<100	150	40	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	240	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	240	89	105	16	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	257	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	257	14/02/2020	14/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	257	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	257	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	257	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	257	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	257	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	257	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	257	89	102	14	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	15/02/2020	15/02/2020		[NT]	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	[NT]	271	<50	<50	0	[NT]	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	[NT]	271	<100	<100	0	[NT]	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	[NT]	271	<100	<100	0	[NT]	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	[NT]	271	<50	<50	0	[NT]	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	[NT]	271	<100	<100	0	[NT]	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	[NT]	271	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	271	99	98	1	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-53
Date extracted	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			15/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	80	75
Acenaphthylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	86	81
Phenanthrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	74	70
Anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	82	78
Pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	78	75
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	60	60
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	<0.05	1	<0.05	<0.05	0	76	72
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	86	1	103	96	7	87	82

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-101
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	84	80
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	88	85
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	90	85
Anthracene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	86	81
Pyrene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	82	78
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	62	62
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	27	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	27	<0.05	<0.05	0	84	73
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	27	93	99	6	90	85

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-159
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	84	84
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	88	92
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	90	89
Anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	86	86
Pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	82	82
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	62	62
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	51	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	51	<0.05	<0.05	0	76	74
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	51	101	96	5	90	93

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-207
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	14/02/2020	14/02/2020		15/02/2020	15/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	80	76
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	92	90
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	88	84
Anthracene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	82	82
Pyrene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	78	80
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	60	60
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	64	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	64	<0.05	<0.05	0	74	80
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	64	102	100	2	85	88

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	236229-258
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	97	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	78	#
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	86	#
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	84	#
Anthracene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	82	#
Pyrene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	78	#
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	64	#
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	97	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	97	<0.05	<0.05	0	74	#
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	97	97	95	2	84	101

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	[NT]
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	111	14/02/2020	14/02/2020		15/02/2020	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	80	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	88	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	88	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	84	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	80	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	60	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	111	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	111	<0.05	<0.05	0	82	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	111	101	98	3	84	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	14/02/2020	14/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	155	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	155	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	155	96	97	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	14/02/2020	14/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	175	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	175	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	175	95	101	6	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	257	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	257	15/02/2020	15/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	257	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	257	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	257	85	84	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	14/02/2020	14/02/2020		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	[NT]	271	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	[NT]	271	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	[NT]	271	86	82	5	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-53
Date extracted	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			15/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	110	102
HCB	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	106	100
gamma-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	100	80
delta-BHC	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	108	102
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	97
gamma-Chlordane	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	100
Dieldrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	116	102
Endrin	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	94	95
Endosulfan II	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	98	90
Endrin Aldehyde	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	81
Methoxychlor	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	77	1	88	86	2	77	74

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-101
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	14/02/2020	14/02/2020		14/02/2020	14/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	112	106
HCB	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	108	100
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	90	80
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	112	106
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	106	100
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	106	100
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	112	110
Endrin	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	98	93
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	84	80
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	90	72
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	27	81	87	7	82	78

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-159
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	14/02/2020	14/02/2020		15/02/2020	14/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	86	109
HCB	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	102	109
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	84	87
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	112	116
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	106	109
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	106	109
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	114	118
Endrin	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	92	101
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	74	86
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	69	76
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	89	85	5	83	83

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate			Spike Recovery %			
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-207
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	14/02/2020	14/02/2020		15/02/2020	15/02/2020
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	112	102
HCB	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	110	103
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	84
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	110	106
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	100
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	102
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	112	112
Endrin	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	96	98
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	92	94
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	100	74
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	64	92	90	2	77	76

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate			Spike Recovery %			
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	[NT]
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	97	14/02/2020	14/02/2020		15/02/2020	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	104	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	102	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	76	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	106	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	100	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	102	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	110	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	88	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	76	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	70	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	97	107	109	2	75	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	[NT]
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	111	14/02/2020	14/02/2020		15/02/2020	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	110	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	108	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	90	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	110	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	102	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	104	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	112	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	94	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	80	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	80	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	111	91	89	2	78	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	14/02/2020	14/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	155	88	87	1	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	14/02/2020	14/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	175	84	91	8	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	14/02/2020	14/02/2020		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	271	83	81	2	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-53
Date extracted	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			15/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	108	103
Dimethoate	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	102	97
Fenitrothion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	88	92
Malathion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	96	93
Chlorpyriphos	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	104	100
Parathion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	80	86
Bromophos-ethyl	mg/kg	0.1	AT-008	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	94	97
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	77	1	88	86	2	77	74

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-101
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	108	83
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	106	100
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	96	91
Malathion	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	96	88
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	108	103
Parathion	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	102	98
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	102	98
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	27	81	87	7	82	78

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-159
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	14/02/2020	14/02/2020		15/02/2020	14/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	82	92
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	104
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	80	92
Malathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	100	80
Chlorpyrifos	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	108
Parathion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	96	108
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	94	106
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	51	89	85	5	83	83

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-207
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	14/02/2020	14/02/2020		15/02/2020	15/02/2020
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	98
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	100
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	82	94
Malathion	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	93	82
Chlorpyrifos	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	102	102
Parathion	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	88	104
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	88	104
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	64	92	90	2	77	76

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	[NT]
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	97	14/02/2020	14/02/2020		15/02/2020	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	92	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	96	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	86	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	69	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	98	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	96	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	94	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	97	107	109	2	75	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	[NT]
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	111	14/02/2020	14/02/2020		15/02/2020	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	100	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	100	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	86	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	78	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	102	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	96	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	98	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	111	91	89	2	78	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	14/02/2020	14/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	155	88	87	1	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	14/02/2020	14/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	175	84	91	8	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	14/02/2020	14/02/2020		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	[NT]	271	83	81	2	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-53
Date extracted	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			15/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	77	80
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	77	1	88	86	2	77	74

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-101
Date extracted	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	86	80
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	27	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	27	81	87	7	82	78

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-159
Date extracted	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	14/02/2020	14/02/2020		15/02/2020	14/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	83	89
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	51	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	51	89	85	5	83	83

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-207
Date extracted	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	14/02/2020	14/02/2020		15/02/2020	15/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	80	75
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	64	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	64	92	90	2	77	76

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	236229-258
Date extracted	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	97	14/02/2020	14/02/2020		15/02/2020	15/02/2020
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	86	74
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	97	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	97	107	109	2	75	69

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	[NT]
Date extracted	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	[NT]
Date analysed	-			[NT]	111	14/02/2020	14/02/2020		15/02/2020	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	86	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	111	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	111	91	89	2	78	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	14/02/2020	14/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	155	88	87	1	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	14/02/2020	14/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	175	84	91	8	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	257	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	257	15/02/2020	15/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	257	79	77	3	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	14/02/2020	14/02/2020		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-006	[NT]	271	83	81	2	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-2
Date prepared	-			12/02/2020	1	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			13/02/2020	1	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	<4	1	9	10	11	101	##
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	98	70
Chromium	mg/kg	1	Metals-020	<1	1	29	35	19	102	#
Copper	mg/kg	1	Metals-020	<1	1	6	6	0	102	85
Lead	mg/kg	1	Metals-020	<1	1	17	19	11	103	#
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	75	83
Nickel	mg/kg	1	Metals-020	<1	1	5	5	0	100	73
Zinc	mg/kg	1	Metals-020	<1	1	13	16	21	103	87

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-53
Date prepared	-			[NT]	27	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	27	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	27	8	7	13	110	74
Cadmium	mg/kg	0.4	Metals-020	[NT]	27	<0.4	<0.4	0	108	76
Chromium	mg/kg	1	Metals-020	[NT]	27	24	22	9	113	80
Copper	mg/kg	1	Metals-020	[NT]	27	17	16	6	111	84
Lead	mg/kg	1	Metals-020	[NT]	27	19	19	0	112	73
Mercury	mg/kg	0.1	Metals-021	[NT]	27	<0.1	<0.1	0	74	84
Nickel	mg/kg	1	Metals-020	[NT]	27	8	9	12	110	81
Zinc	mg/kg	1	Metals-020	[NT]	27	33	34	3	97	#

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	236229-101
Date prepared	-			[NT]	51	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	51	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	51	6	7	15	106	73
Cadmium	mg/kg	0.4	Metals-020	[NT]	51	<0.4	<0.4	0	102	75
Chromium	mg/kg	1	Metals-020	[NT]	51	16	17	6	112	76
Copper	mg/kg	1	Metals-020	[NT]	51	16	15	6	114	80
Lead	mg/kg	1	Metals-020	[NT]	51	16	17	6	118	#
Mercury	mg/kg	0.1	Metals-021	[NT]	51	<0.1	<0.1	0	93	95
Nickel	mg/kg	1	Metals-020	[NT]	51	8	8	0	106	75
Zinc	mg/kg	1	Metals-020	[NT]	51	37	37	0	112	78

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	236229-159
Date prepared	-			[NT]	64	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	64	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	64	5	6	18	108	##
Cadmium	mg/kg	0.4	Metals-020	[NT]	64	<0.4	<0.4	0	103	72
Chromium	mg/kg	1	Metals-020	[NT]	64	14	16	13	111	#
Copper	mg/kg	1	Metals-020	[NT]	64	27	28	4	108	71
Lead	mg/kg	1	Metals-020	[NT]	64	16	19	17	116	#
Mercury	mg/kg	0.1	Metals-021	[NT]	64	<0.1	<0.1	0	87	99
Nickel	mg/kg	1	Metals-020	[NT]	64	9	10	11	104	#
Zinc	mg/kg	1	Metals-020	[NT]	64	35	40	13	108	#

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	236229-207
Date prepared	-			[NT]	97	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	97	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	97	<4	5	22	110	98
Cadmium	mg/kg	0.4	Metals-020	[NT]	97	<0.4	<0.4	0	107	93
Chromium	mg/kg	1	Metals-020	[NT]	97	13	14	7	111	92
Copper	mg/kg	1	Metals-020	[NT]	97	7	7	0	110	96
Lead	mg/kg	1	Metals-020	[NT]	97	14	16	13	112	#
Mercury	mg/kg	0.1	Metals-021	[NT]	97	<0.1	<0.1	0	112	97
Nickel	mg/kg	1	Metals-020	[NT]	97	4	4	0	108	97
Zinc	mg/kg	1	Metals-020	[NT]	97	14	14	0	114	#

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	236229-258
Date prepared	-			[NT]	111	12/02/2020	12/02/2020		12/02/2020	12/02/2020
Date analysed	-			[NT]	111	13/02/2020	13/02/2020		13/02/2020	13/02/2020
Arsenic	mg/kg	4	Metals-020	[NT]	111	6	7	15	104	80
Cadmium	mg/kg	0.4	Metals-020	[NT]	111	<0.4	<0.4	0	100	#
Chromium	mg/kg	1	Metals-020	[NT]	111	16	18	12	107	79
Copper	mg/kg	1	Metals-020	[NT]	111	8	10	22	104	84
Lead	mg/kg	1	Metals-020	[NT]	111	24	21	13	108	75
Mercury	mg/kg	0.1	Metals-021	[NT]	111	<0.1	<0.1	0	80	##
Nickel	mg/kg	1	Metals-020	[NT]	111	6	6	0	101	70
Zinc	mg/kg	1	Metals-020	[NT]	111	20	21	5	107	82

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	155	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	155	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	155	7	7	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	155	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	155	14	15	7	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	155	10	9	11	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	155	22	20	10	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	155	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	155	6	5	18	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	155	19	17	11	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	175	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	175	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	175	8	7	13	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	175	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	175	19	16	17	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	175	24	18	29	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	175	22	21	5	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	175	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	175	11	9	20	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	175	50	39	25	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	202	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	202	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	202	6	6	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	202	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	202	19	18	5	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	202	18	18	0	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	202	21	16	27	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	202	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	202	12	12	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	202	53	43	21	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	240	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	240	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	240	5	7	33	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	240	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	240	15	15	0	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	240	26	30	14	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	240	13	16	21	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	240	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	240	26	25	4	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	240	64	77	18	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	257	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	257	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	257	20	18	11	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	257	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	257	20	18	11	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	257	22	19	15	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	257	16	15	6	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	257	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	257	8	5	46	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	257	54	39	32	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	271	12/02/2020	12/02/2020		[NT]	[NT]
Date analysed	-			[NT]	271	13/02/2020	13/02/2020		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	271	7	7	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	271	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	271	16	16	0	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	271	14	12	15	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	271	17	16	6	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	271	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	271	9	8	12	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	271	26	23	12	[NT]	[NT]

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Misc Soil - Inorg							Duplicate		Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	236229-53
Date prepared	-			14/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Date analysed	-			14/02/2020	1	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	1	<5	<5	0	98	101

QUALITY CONTROL: Misc Soil - Inorg							Duplicate		Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	236229-258
Date prepared	-			[NT]	257	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Date analysed	-			[NT]	257	14/02/2020	14/02/2020		14/02/2020	14/02/2020
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	[NT]	257	<5	<5	0	102	104

Client Reference: 86548.03, Badgerys Creek DSI

QUALITY CONTROL: Misc Inorg - Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date prepared	-			15/02/2020	[NT]	[NT]	[NT]	[NT]	15/02/2020	[NT]
Date analysed	-			15/02/2020	[NT]	[NT]	[NT]	[NT]	15/02/2020	[NT]
Chloride, Cl 1:5 soil:water	mg/kg	10	Inorg-081	<10	[NT]	[NT]	[NT]	[NT]	101	[NT]
Sulphate, SO4 1:5 soil:water	mg/kg	10	Inorg-081	<10	[NT]	[NT]	[NT]	[NT]	107	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

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.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	
The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.	
Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2	

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: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-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.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Asbestos-ID in soil: NEPM

This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

8 metals in soil:

- # Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

- ## Low spike recovery was obtained for this sample. Sample matrix interference is suspected. However, an acceptable recovery was obtained for the LCS

TRH Soil C10-C40 NEPM - # Percent recovery for the surrogate/matrix spike is not possible to report as the high concentration of analytes in samples 236229-258 and 259 have caused interference.

Asbestos: Excessive sample volume was provided for asbestos analysis. A portion of the supplied sample was sub-sampled according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g (50mL) of sample in its own container as per AS4964-2004.

Note: Samples for testing were sub-sampled from bags provided by the client.

Asbestos-ID in soil: NEPM


This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

PAHs in Soil - # Percent recovery for the matrix spike is not possible to report as the high concentration of analytes in sample 236229-258 have caused interference.

PCBs in Soil - The PQL has been raised due to interferences from analytes (other than those being tested) in sample 236229-259.

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Date Sampled	Sample Type	Container Type	Analytes						Notes/preservation	
			S - soil W - water	G - glass P - plastic	2 Combination 6a	1 Combination 8a	4 Combo 1m	HOLD				
321/0.1	1	30/01/20	S	G/P			X					
321/0.5	280 NR	30/01/20	S	G/P					X			
322/0.1	2	30/01/20	S	G/P					X			
322/0.5	3	30/01/20	S	G/P					X			
336/0.1	4	30/01/20	S	G/P					X			
336/0.5	5	30/01/20	S	G/P					X			
337/0.1	6	30/01/20	S	G/P		X						
337/0.5	7	30/01/20	S	G/P					X			
338/0.1	8	30/01/20	S	G/P					X			
338/0.5	9	30/01/20	S	G/P					X			
339/0.1	10	30/01/20	S	G/P		X						
339/0.5	11	30/01/20	S	G/P					X			
350/0.1	12	30/01/20	S	G/P					X			


 Envirolab Services
 12 Ashley St
 Chatswood NSW 2067
 Ph: (02) 9910 6200
 Job No: 236229
 Date Received: 06/02/20
 Time Received: 1352
 Received By: SB
 Temp: Cool/Ambient
 Cooling: Ice/Icepack
 Security: Intact/Broken/None

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: 18 Waler Crescent Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: EMG	Transported to laboratory by:		
Signed:	Date & Time: 31/01/2020	Received by: S. Bolton ELS Syst [Signature]	

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

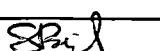
Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes							Notes/preservation	
					Combination 6a	Combination 8a	Combo 1m	HOLD					
350/0.5	13	30/01/20	S	G/P					x				
351/0.1	14	30/01/20	S	G/P		x							
351/0.5	15	30/01/20	S	G/P					x				
352/0.1	16	30/01/20	S	G/P				x					
352/0.5	17	30/01/20	S	G/P									
371/0.1	18	30/01/20	S	G/P									
371/0.5	19	30/01/20	S	G/P									
372/0.1	20	30/01/20	S	G/P									
372/0.5	21	30/01/20	S	G/P					X				
372/1.0	22	30/01/20	S	G/P					X				
381/0.1	23	30/01/20	S	G/P		x							
381/0.5	24	30/01/20	S	G/P					x				
382/0.1	25	30/01/20	S	G/P				x					

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: MJC	Transported to laboratory by:		
Signed:	Date & Time: 9.10.15 @ 2:30PM	Received by: S. Bolton ELS Syst. <i>[Signature]</i>	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Analytes							Notes/preservation		
			S - soil W - water	G - glass P - plastic	3 Combination 6a	1 Combination 8a	2 Combination 1m	HOLD						
382/0.5	26	30/01/20	S	G/P						x				
383/0.1	27	30/01/20	S	G/P		x								
383/0.5	28	30/01/20	S	G/P						x				
431/0.1	29	30/01/20	S	G/P		x								
431/0.5	30	30/01/20	S	G/P						x				
432/0.1	31	30/01/20	S	G/P					x					
432/0.5	32	30/01/20	S	G/P						x				
433/0.1	33	30/01/20	S	G/P		x								
433/0.5	34	30/01/20	S	G/P						x				
434/0.1	35	30/01/20	S	G/P					x					
434/0.5	36	30/01/20	S	G/P						x				
434/1.0	37	30/01/20	S	G/P						x				
435/0.1	38	30/01/20	S	G/P				x						

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH	Transported to laboratory by:		
Signed:	Date & Time: 15.09.15	Received by: S. Bolton ELS Syd. 	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty 12 Ashley Street, Chatswood NSW 2067
Project Mgr: EMG	Mob. Phone: 0418651227 Attn: Nancy Zhang
Email: emily.mcginty@douglaspartners.com.au	Phone: (02) 9910 6200 Fax: (02) 9910 6201
Date Required: standard turnaround	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes							Notes/preservation		
			S - soil W - water	G - glass P - plastic	2 Combination 6	8a Combination	4 Combination 1m	HOLD						
435/0.5	39	30/01/20	S	G/P						x				
436/0.1	40	30/01/20	S	G/P					x					
436/0.5	41	30/01/20	S	G/P						x				
437/0.1	42	31/01/20	S	G/P						X				
437/0.5	43	31/01/20	S	G/P		x								
437/1.3	44	31/01/20	S	G/P						X				
438/0.1	45	31/01/20	S	G/P					x					
438/0.5	46	31/01/20	S	G/P						x				
439/0.1	47	31/01/20	S	G/P					x					
439/0.5	48	31/01/20	S	G/P						x				
458/0.1	49	31/01/20	S	G/P					x					
458/0.5	50	31/01/20	S	G/P						x				
457/0.1	51	31/01/20	S	G/P		x								

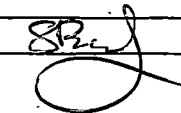
Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: 18 Waler Crescent Smeaton Grange	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by: BAH	Transported to laboratory by:		
Signed:	Date & Time: 15.09.15	Received by: S. Bolton ELS Syd. <i>S. Bolton</i>	

236229

S. Bolton

Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type		Analytes										Notes/preservation	
			S - soil W - water	G - glass P - plastic	2 - Combination 6	1 Combination 8a	3 - Combination 1m	HOLD	630 (
457/0.5	52	31/01/20	S	G/P						x						
459/0.1	53	31/01/20	S	G/P				x								
459/0.5	54	31/01/20	S	G/P						x						
460/0.1	55	31/01/20	S	G/P					x							
460/0.5	56	31/01/20	S	G/P						x						
461/0.1	57	31/01/20	S	G/P		x										
461/0.5	58	31/01/20	S	G/P						x						
462/0.1	59	31/01/20	S	G/P					x						462/0.5 - hold	270
463/0.1	60	31/01/20	S	G/P		x										
463/0.5	61	31/01/20	S	G/P						x						
464/0.1	62	31/01/20	S	G/P					x							
464/0.5	63	31/01/20	S	G/P						x						
465/0.1	64	31/01/20	S	G/P		x										

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by:		Transported to laboratory by:	
Signed:		Received by: S. Bolton ELS Syd 	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes							Notes/preservation	
					2 combo 1m, OCP, OPP, PCB, asbestos (50a)	1 Combination 6a	1 Combination 8a	2 Combo 1m	HOLD				
465/0.5	65	31/01/20	S	G/P						x			
466/0.1	66	31/01/20	S	G/P					x				
466/0.5	67	31/01/20	S	G/P						x			
467/0.1	68	31/01/20	S	G/P		x							
467/0.5	69	31/01/20	S	G/P						x			
468/0.1	70	31/01/20	S	G/P					x				
468/0.5	71	31/01/20	S	G/P						x			
576/0.2	72	30/01/20	S	G/P			x						
576/0.5	73	30/01/20	S	G/P						x			
577/0.3	74	30/01/20	S	G/P	x								
577/0.8	75	30/01/20	S	G/P						x			
577/1.4	76	30/01/20	S	G/P						x			
579/0.1	77	30/01/20	S	G/P	x								

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:		
Signed:	Date & Time:	Received by: S. Bolton ELS Syd <i>[Signature]</i>	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au


Sample ID	Lab ID	Sampling Date	Sample Type		Analytes										Notes/preservation			
			S - soil W - water	G - glass P - plastic	compo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	3 Combination 8a	2 Combo 1m	HOLD									
579/0.5	78	30/01/20	S	G/P														
586/0.1	79	30/01/20	S	G/P					x									
586/0.5	80	30/01/20	S	G/P														
587/0.1	81	30/01/20	S	G/P							x							
587/0.5	82	30/01/20	S	G/P														
588/0.1	83	30/01/20	S	G/P					x									
588/0.5	84	30/01/20	S	G/P														
589/0.1	85	30/01/20	S	G/P							x							
589/0.5	86	30/01/20	S	G/P														
590/0.1	87	30/01/20	S	G/P														
590/0.5	88	30/01/20	S	G/P														
591/0.1	89	30/01/20	S	G/P														
591/0.5	90	30/01/20	S	G/P														

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syd [Signature]

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginity@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

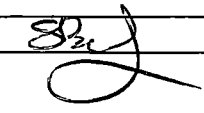
Sample ID	Lab ID	Sampling Date	Sample Type		Analytes							Notes/preservation		
			S - soil W - water	G - glass P - plastic	compo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD					
592/0.1	91	31/01/20	S	G/P						x				
592/0.5	92	31/01/20	S	G/P							x			
360/0.1	93	03/02/20	S	G/P						x				
360/0.5	94		S	G/P							x			
362/0.1	95		S	G/P						x				
362/0.5	96		S	G/P							x			
363/0.1	97		S	G/P			x							
363/0.5	98		S	G/P							x			
396/0.1	99	05/02/20	S	G/P						x				
396/0.5	100		S	G/P							x			
397/0.1	101		S	G/P			x							
397/0.5	102		S	G/P							x			
404/0.1	103		S	G/P						x				

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time: :
	Received by: ELS Syst. S. Bolton 

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty 12 Ashley Street, Chatswood NSW 2067
Project Mgr: EMG	Mob. Phone: 0418651227 Attn: Nancy Zhang
Email: emily.mcginty@douglaspartners.com.au	Phone: (02) 9910 6200 Fax: (02) 9910 6201
Date Required: standard turnaround	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Analytes							Notes/preservation			
			S - soil W - water	G - glass P - plastic	combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6	Combination 8a	Combo 1m	HOLD						
404/0.5	104		S	G/P							x				
414/0.1	105		S	G/P						x					
414/0.5	106		S	G/P							x				
415/0.1	107	04/02/20	S	G/P			x								
415/0.5	108		S	G/P							x				
416/0.1	109		S	G/P						x					
416/0.5	110		S	G/P							x				
417/0.1	111		S	G/P			x								
417/0.5	112		S	G/P							x				
418/0.1	113		S	G/P						x					
418/0.5	114		S	G/P							x				
419/0.1	115		S	G/P			x								
419/0.5	116		S	G/P							x				

Lab Report No:					
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886		
Relinquished by:			Transported to laboratory by:		
Signed:	Date & Time:	Received by: S. Bolton EUS Syst. 			

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au


Sample ID	Lab ID	Sampling Date	Sample Container		Analytes							Notes/preservation		
			S - soil W - water	G - glass P - plastic	combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD					
420/0.1	117	03/02/20	S	G/P					x					
420/0.5	118	03/02/20	S	G/P						x				
398/0.1	119	05/02/20	S	G/P					x					
398/0.5	120	05/02/20	S	G/P						x				
421/0.1	121	03/02/20	S	G/P			x							
421/0.5	122	03/02/20	S	G/P						x				
422/0.1	123	03/02/20	S	G/P					x					
422/0.2	124	03/02/20	S	G/P						x				
422/0.5	125	03/02/20	S	G/P						x				
423/0.1	126	03/02/20	S	G/P				x						
423/0.5	127	03/02/20	S	G/P						x				
424/0.1	128	03/02/20	S	G/P					x					
424/0.5	129	03/02/20	S	G/P						x				

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syd. <i>[Signature]</i>

236229

Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation
					4 combo 1m, OCP, OPP, PCB, asbestos (50a)	4 Combination 6a	3 Combination 8a	3 Combo 1m	HOLD				
425/0.1	130	05/02/20	S	G/P		x							
425/0.5	131	05/02/20	S	G/P						x			
440/0.1	132	05/02/20	S	G/P					x				
440/0.5	133	05/02/20	S	G/P						x			
441/0.1	134	03/02/20	S	G/P		x							
441/0.5	135	03/02/20	S	G/P						x			
442/0.1	136	04/02/20	S	G/P					x				
442/0.5	137	04/02/20	S	G/P						x			
443/0.1	138	04/02/20	S	G/P		x							
443/0.5	139	04/02/20	S	G/P						x			
444/0.1	140	04/02/20	S	G/P					x				
444/0.5	141	04/02/20	S	G/P						x			
445/0.1	142	04/02/20	S	G/P		x							

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886	
Relinquished by:					Transported to laboratory by:				
Signed:					Date & Time:				
					Received by: S. Bolton ELS Sgd. 				

236229.

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginity@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Analytes										Notes/preservation
			S - soil W - water	G - glass P - plastic	1	2	1		1		1		1		
					combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD		Chloride	Sulphate			
445/0.5	143	04/02/20	S	G/P					x						
446/0.1	144	04/02/20	S	G/P				x							
446/0.5	145	04/02/20	S	G/P					x						
447/0.1	146	04/02/20	S	G/P			x								
447/0.5	147	04/02/20	S	G/P							x	x			
447/1.0	148	04/02/20	S	G/P					x						
447/1.54	149	04/02/20	S	G/P					x						
447/2.0	150	04/02/20	S	G/P					x						
447/2.5	151	04/02/20	S	G/P					x						
447/3.0	152	04/02/20	S	G/P					x						
448/0.1	153	04/02/20	S	G/P				x							
448/0.5	154	04/02/20	S	G/P					x						
		04/02/20													

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:		
Signed:	Date & Time:	Received by: S. Bolton ELS Syed. <i>[Signature]</i>	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation	
					4 combo 1m, OCP, OPP, PCB, asbestos (50a)	4 Combination 8a	3 Combination 8a	3 Combo 1m	HOLD					
449/0.1	155	04/02/20	S	G/P		x								
449/0.5	156	04/02/20	S	G/P						x				
450/0.1	157	04/02/20	S	G/P					x					
450/0.5	158	04/02/20	S	G/P						x				
451/0.1	159	04/02/20	S	G/P		x								
451/0.5	160	04/02/20	S	G/P						x				
452/0.1	161	04/02/20	S	G/P					x					
452/0.5	162	04/02/20	S	G/P						x				
453/0.1	163	04/02/20	S	G/P		x								
453/0.5	164	04/02/20	S	G/P						x				
454/0.1	165	04/02/20	S	G/P					x					
454/0.5	166	04/02/20	S	G/P						x				
455/0.1	167	03/02/20	S	G/P		x								

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syd <i>SBolton</i>

236229

Project Name: Badgerys Creek DSI		To: Envirolab Services	
Project No: 86548.03	Sampler: Emily McGinty	12 Ashley Street, Chatswood NSW 2067	
Project Mgr: EMG	Mob. Phone: 0418651227	Attn: Nancy Zhang	
Email: emily.mcginty@douglaspartners.com.au		Phone: (02) 9910 6200	Fax: (02) 9910 6201
Date Required: standard turnaround		Email: nzhang@envirolabservices.com.au	


Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes										Notes/preservation	
					combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD							
455/0.5	168	03/02/20	S	G/P						X						
456/0.1	169	05/02/20	S	G/P					X							
456/0.5	170	05/02/20	S	G/P						X						
464/0.1	NR	05/02/20	S	G/P					X							
464/0.5	NR	05/02/20	S	G/P						X						
470/0.1	171	04/02/20	S	G/P					X							
470/0.5	172	04/02/20	S	G/P						X						
472/0.1	173	05/02/20	S	G/P					X							
472/0.5	174	05/02/20	S	G/P						X						
473/0.1	175	05/02/20	S	G/P			X									
473/0.5	176	05/02/20	S	G/P						X						
474/0.1	177	05/02/20	S	G/P					X							
474/0.5	178	05/02/20	S	G/P						X						

Lab Report No:		Send Results to: Douglas Partners Pty Ltd		Address: Unit 5, 50 Topham Road, Smeaton Grange 2567		Phone: (02) 4647 0075		Fax: (02) 4646 1886						
Relinquished by:					Transported to laboratory by:									
Signed:					Date & Time:					Received by: S. Bolton EIS Syed [Signature]				

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes							Notes/preservation	
			S - soil W - water	G - glass P - plastic	3 combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	3 Combination 8a	Combo 1m	HOLD				
572/0.1	179	03/02/20	S	G/P	x								
572/0.5	180	03/02/20	S	G/P						x			
574/0.1	181	05/02/20	S	G/P				x					
574/0.5	182	05/02/20	S	G/P						x			
575/0.1	183	03/02/20	S	G/P	x								
575/0.5	184	03/02/20	S	G/P						x			
578/0.1	185	03/02/20	S	G/P				x					
578/0.2	186	03/02/20	S	G/P						x			
578/0.3	187	03/02/20	S	G/P						x			
578/0.5	188	03/02/20	S	G/P						x			
580/0.1	189	05/02/20	S	G/P				x					
580/0.5	190	05/02/20	S	G/P						x			
581/0.1	191	05/02/20	S	G/P	x								

Lab Report No:			
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:		
Signed:	Date & Time:	Received by: S. Bolton ELS Syst. 	

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty 12 Ashley Street, Chatswood NSW 2067
Project Mgr: EMG	Mob. Phone: 0418651227 Attn: Nancy Zhang
Email: emily.mcginity@douglaspartners.com.au	Phone: (02) 9910 6200 Fax: (02) 9910 6201
Date Required: standard turnaround	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic	1 combo 1m, OCP, OPP, PCB, asbestos (50a)	2 Combination 6a	Combination 8a	2 Combo 1m	HOLD			2 Asbestos ID			
581/0.5	192	05/02/20	S	G/P							x				
581/PACM	193	05/02/20	S	G/P										x	
581/1.0	194	05/02/20	S	G/P							x				
582/0.1	195	05/02/20	S	G/P			x								
582/0.5	196	05/02/20	S	G/P							x				
AEC30 fibreglass	197	05/02/20	S	G/P										x	
583/0.2	198	04/02/20	S	G/P						x					
583/0.7	199	04/02/20	S	G/P							x				
584/0.1	200	03/02/20	S	G/P			x								
584/0.5	201	03/02/20	S	G/P							x				
585/0.1	202	03/02/20	S	G/P							x				
585/0.5	203	03/02/20	S	G/P							x				
594/0.5	204	05/02/20	S	G/P	x										

Lab Report No:					
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567	Phone: (02) 4647 0075	Fax: (02) 4646 1886		
Relinquished by:			Transported to laboratory by:		
Signed:	Date & Time:	Received by: S. Bolton ELS Sept 23 2022			

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

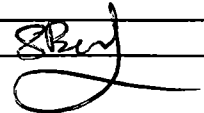
Sample ID	Lab ID	Sampling Date	Sample Type		Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic	combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD					ASB ID	
			S	G/P											
			S	G/P											
597/1.0	217	05/02/20	S	G/P							x				
598/0.5	218	04/02/20	S	G/P						x					
598/1.0	219	04/02/20	S	G/P							x				
598/1.5	220	04/02/20	S	G/P							x				
598/2.0	221	04/02/20	S	G/P							x				
599/0.1	222	03/02/20	S	G/P			x								
599/0.5	223	03/02/20	S	G/P							x				
599/1.0	224	03/02/20	S	G/P							x				
599/1.5	225	03/02/20	S	G/P							x				
599 PACM	226	03/02/20		M										X	
593/0.5	227	05/02/20	S	G/P							x				

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syed <i>[Signature]</i>

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation	
					combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6	Combination 8a	Combo 1m	HOLD					ASB ID
593/1.0	228	03/02/20	S	G/P			x							593/1.0 - hold
600/0.1	229	03/02/20	S	G/P						x				
600/0.5	230	03/02/20	S	G/P						x				
601/1.0	231	03/02/20	S	G/P			x							
601/1.5	232	03/02/20	S	G/P						x				
602/0.1	233	03/02/20	S	G/P			x							
602/0.5	234	03/02/20	S	G/P						x				
602/1.0	235	03/02/20	S	G/P						x				
602/1.5	236	03/02/20	S	G/P						x				
602 PACM	NR	03/02/20	S	G/P									X	
603/0.5	237	03/02/20	S	G/P		x								
603/1.0	238	03/02/20	S	G/P						x				
603/1.5	239	03/02/20	S	G/P						x				

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton EL8 Syst. 

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type S - soil W - water	Container Type G - glass P - plastic	Analytes								Notes/preservation	
					combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD					ASB ID
604/0.1	240	03/02/20	S	G/P				X						
604/1.0	241	03/02/20	S	G/P					X					
604/1.5	242	03/02/20	S	G/P					X					
604 PACM	NR	03/02/20	S	G/P									X	
605/0.1	243	03/02/20	S	G/P		X								
605/0.5	244	03/02/20	S	G/P					X					
606/0.5	245	03/02/20	S	G/P				X						
606/1.0	246	03/02/20	S	G/P					X					
607/0.1	247	03/02/20	S	G/P				X						
607/0.5	248	03/02/20	S	G/P					X					
608/0.1	249	05/02/20	S	G/P				X						
608/0.5	250	05/02/20	S	G/P					X					
608/1.0	251	05/02/20	S	G/P					X					

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syd <i>SPW</i>

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample / Container		Analytes										Notes/preservation	
			S - soil W - water	G - glass P - plastic	combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD	Combo 1m, PAH, pcb, PHENOLS	ASBETOS 500ML	ASB ID				
ST3 0.2	252	05/02/20	s	M							X					
PACM Pipe Lining NR		03/02/20	S	G/P												x
SS9	253	03/02/20	S	G/P								X				
SS10	254	04/02/20	S	G/P								X				
SS11	255	04/02/20	S	G/P								X				
SS12	256	04/02/20	S	P										X		
SS13	257	04/02/20	S	G/P								X				
SS14	258	05/02/20	S	G/P								X				
SS15	259	05/02/20	S	G/P								X				

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syst [Signature]

236229

Project Name: Badgerys Creek DSI	To: Envirolab Services
Project No: 86548.03	Sampler: Emily McGinty
Project Mgr: EMG	Mob. Phone: 0418651227
Email: emily.mcginty@douglaspartners.com.au	Attn: Nancy Zhang
Date Required: standard turnaround	Phone: (02) 9910 6200 Fax: (02) 9910 6201
	Email: nzhang@envirolabservices.com.au

Sample ID	Lab ID	Sampling Date	Sample Type		Analytes							Notes/preservation				
			S - soil W - water	G - glass P - plastic	Combo 1m, OCP, OPP, PCB, asbestos (50a)	Combination 6a	Combination 8a	Combo 1m	HOLD							
BD1/300120	261 NR	30/01/20	S	G							X					352/0.1
BD2/300120	260	30/01/20	S	G						X						431/0.1
BD3/301020	261	30/01/20	S	G							X					435/0.5
BD1/310120	262 NR	31/01/20	S	G							X					462/0.1
BD2/310120	262	31/01/20	S	G							X					463/0.5
BD2/030220	263	03/02/20	S	G						X						360/0.1
BD1/040222	264	04/02/20	S	G							X					416/0.1
BD1/030220	265	03/02/20	S	G							X					441/0.1
BD2/040220	266	04/02/20	S	G						X						448/0.1
BD3/040220	267	04/02/20	S	G							X					583/0.2
BD1 050220	268	05/02/20	S	G							X					608/0.1

Lab Report No:	
Send Results to: Douglas Partners Pty Ltd	Address: Unit 5, 50 Topham Road, Smeaton Grange 2567
	Phone: (02) 4647 0075 Fax: (02) 4646 1886
Relinquished by:	Transported to laboratory by:
Signed:	Date & Time:
	Received by: S. Bolton ELS Syd <i>S. Bolton</i>

236229



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	Douglas Partners Pty Ltd Smeaton Grange
Attention	Emily McGinty

Sample Login Details

Your reference	86548.03, Badgerys Creek DSI
Envirolab Reference	236229
Date Sample Received	07/02/2020
Date Instructions Received	10/02/2020
Date Results Expected to be Reported	17/02/2020

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	279 Soil, 3 Material
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	18.7
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie

Phone: 02 9910 6200

Fax: 02 9910 6201

Email: ahie@envirolab.com.au

Jacinta Hurst

Phone: 02 9910 6200

Fax: 02 9910 6201

Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
321/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
322/0.1	✓	✓					✓						
322/0.5													✓
336/0.1	✓	✓					✓						
336/0.5													✓
337/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
337/0.5													✓
338/0.1	✓	✓					✓						
338/0.5													✓
339/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
339/0.5													✓
350/0.1	✓	✓					✓						
350/0.5													✓
351/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
351/0.5													✓
352/0.1	✓	✓					✓						
352/0.5													✓
371/0.1													✓
371/0.5													✓
372/0.1													✓
372/0.5													✓
372/1.0													✓
381/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
381/0.5													✓
382/0.1	✓	✓					✓						
382/0.5													✓
383/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
383/0.5													✓
431/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
431/0.5													✓
432/0.1	✓	✓					✓						
432/0.5													✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
433/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
433/0.5													✓
434/0.1	✓	✓					✓						
434/0.5													✓
434/1.0													✓
435/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
435/0.5													✓
436/0.1	✓	✓					✓						
436/0.5													✓
437/0.1													✓
437/0.5	✓	✓	✓	✓	✓	✓	✓	✓					
437/1.3													✓
438/0.1	✓	✓					✓						
438/0.5													✓
439/0.1	✓	✓					✓						
439/0.5													✓
458/0.1	✓	✓					✓						
458/0.5													✓
457/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
457/0.5													✓
459/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
459/0.5													✓
460/0.1	✓	✓					✓						
460/0.5													✓
461/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
461/0.5													✓
462/0.1	✓	✓					✓						
463/0.1								✓					
463/0.5													✓
464/0.1	✓	✓					✓						
464/0.5													✓
465/0.1	✓	✓	✓	✓	✓	✓	✓	✓					



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
465/0.5													✓
466/0.1	✓	✓					✓						
466/0.5													✓
467/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
467/0.5													✓
468/0.1	✓	✓					✓						
468/0.5													✓
576/0.2	✓	✓	✓	✓	✓	✓	✓	✓	✓				
576/0.5													✓
577/0.3	✓	✓		✓	✓	✓	✓	✓					
577/0.8													✓
577/1.4													✓
579/0.1	✓	✓		✓	✓	✓	✓	✓					
579/0.5													✓
586/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
586/0.5													✓
587/0.1	✓	✓					✓						
587/0.5													✓
588/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
588/0.5													✓
589/0.1	✓	✓					✓						
589/0.5													✓
590/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
590/0.5													✓
591/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
591/0.5													✓
592/0.1	✓	✓					✓						
592/0.5													✓
360/0.1	✓	✓					✓						
360/0.5													✓
362/0.1	✓	✓					✓						
362/0.5													✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
363/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
363/0.5													✓
396/0.1	✓	✓					✓						
396/0.5													✓
397/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
397/0.5													✓
404/0.1	✓	✓					✓						
404/0.5													✓
414/0.1	✓	✓					✓						
414/0.5													✓
415/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
415/0.5													✓
416/0.1	✓	✓					✓						
416/0.5													✓
417/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
417/0.5													✓
418/0.1	✓	✓					✓						
418/0.5													✓
419/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
419/0.5													✓
420/0.1	✓	✓					✓						
420/0.5													✓
398/0.1	✓	✓					✓						
398/0.5													✓
421/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
421/0.5													✓
422/0.1	✓	✓					✓						
422/0.2													✓
422/0.5													✓
423/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
423/0.5													✓
424/0.1	✓	✓					✓						



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
424/0.5													✓
425/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
425/0.5													✓
440/0.1	✓	✓					✓						
440/0.5													✓
441/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
441/0.5													✓
442/0.1	✓	✓					✓						
442/0.5													✓
443/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
443/0.5													✓
444/0.1	✓	✓					✓						
444/0.5													✓
445/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
445/0.5													✓
446/0.1	✓	✓					✓						
446/0.5													✓
447/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
447/0.5											✓		
447/1.0													✓
447/1.54													✓
447/2.0													✓
447/2.5													✓
447/3.0													✓
448/0.1.	✓	✓					✓						
448/0.5													✓
449/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
449/0.5													✓
450/0.1	✓	✓					✓						
450/0.5													✓
451/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
451/0.5													✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
452/0.1	✓	✓					✓						
452/0.5													✓
453/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
453/0.5													✓
454/0.1	✓	✓					✓						
454/0.5													✓
455/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
455/0.5													✓
456/0.1	✓	✓					✓						
456/0.5													✓
470/0.1	✓	✓					✓						
470/0.5													✓
472/0.1	✓	✓					✓						
472/0.5													✓
473/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
473/0.5													✓
474/0.1	✓	✓					✓						
474/0.5													✓
572/0.1	✓	✓		✓	✓	✓	✓	✓					
572/0.5													✓
574/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
574/0.5													✓
575/0.1	✓	✓		✓	✓	✓	✓	✓					
575/0.5													✓
578/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
578/0.2													✓
578/0.3													✓
578/0.5													✓
580/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
580/0.5													✓
581/0.1	✓	✓		✓	✓	✓	✓	✓					
581/0.5													✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
581/PACM												✓	
581/1.0													✓
582/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
582/0.5													✓
AEC30 fibreglass												✓	
583/0.2	✓	✓					✓						
583/0.7													✓
584/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
584/0.5													✓
585/0.1	✓	✓					✓						
585/0.5													✓
594/0.5	✓	✓		✓	✓	✓	✓	✓					
594/0.8													✓
594/1.0													✓
595/0.3	✓	✓	✓	✓	✓	✓	✓	✓					
595/0.8													✓
595/1.0.													✓
596/0.1.													✓
596/0.3													✓
596/0.5	✓	✓		✓	✓	✓	✓	✓					
596/1.0													✓
596/1.5													✓
597/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
597/0.5													✓
597/1.0													✓
598/0.5	✓	✓					✓						
598/1.0													✓
598/1.5													✓
598/2.0													✓
599/0.1.	✓	✓	✓	✓	✓	✓	✓	✓					
599/0.5													✓
599/1.0													✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
599/1.5													✓
599 PACM												✓	
593/0.5													✓
593/1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓				
600/0.1													✓
600/0.5													✓
601/1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓				
601/1.5													✓
602/0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓				
602/0.5													✓
602/1.0													✓
602/1.5													✓
603/0.5	✓	✓	✓	✓	✓	✓	✓	✓					
603/1.0													✓
603/1.5													✓
604/0.1	✓	✓					✓						
604/1.0													✓
604/1.5													✓
605/0.1	✓	✓	✓	✓	✓	✓	✓	✓					
605/0.5													✓
606/0.5	✓	✓					✓						
606/1.0													✓
607/0.1	✓	✓					✓						
607/0.5													✓
608/0.1	✓	✓					✓						
608/0.5													✓
608/1.0													✓
ST3 0.2													✓
SS9	✓	✓	✓			✓	✓		✓				
SS10	✓	✓	✓			✓	✓		✓				
SS11	✓	✓	✓			✓	✓		✓				
SS12										✓			



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	Misc Soil - Inorg	Asbestos ID - soils NEPM	Misc Inorg - Soil	Asbestos ID - materials	On Hold
SS13	✓	✓	✓			✓	✓		✓				
SS14	✓	✓	✓			✓	✓		✓				
SS15	✓	✓	✓			✓	✓		✓				
BD2/300120	✓	✓					✓						
BD3/301020													✓
BD2/310120													✓
BD2/030220	✓	✓					✓						
BD1/040222													✓
BD1/030220													✓
BD2/040220	✓	✓					✓						
BD3/040220													✓
BD1 050220													✓
425/1.0													✓
462/0.5													✓
469/0.1													✓
469/0.5													✓
465/0.1													✓
470/0.5													✓
601/0.5													✓
SS5													✓
SS6													✓
SS7													✓
SS8													✓
321/0.5													✓
BD1/300120													✓
BD1/310120													✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

Appendix G

QA/QC

Table QA2: Relative Percentage Difference Results – Intra-laboratory Replicates - Water

Sample ID	Sample Date	TRH C6 - C9	TRH C6 - C10	TRH C6 - C10 less BTEX (F1)	Benzene	Toluene	Ethylbenzene	m-p-xylene	o-xylene	Naphthalene	TRH C10 - C14	TRH C15 - C28	TRH C29 - C36	TRH >C10 - C16	TRH >C10 - C10less Naphthalene (F2)	TRH >C16 - C34	TRH >C34 - C40	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b,h)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Benzo(e)pyrene TEO	Total w/PAFs	alpha-BHC	HCB	beta-BHC
BH2	18/06/2021	<10	<10	<10	<1	<1	<1	<2	<1	<1	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<5	NIL (+)VE	<0.2	<0.2	<0.2
DUP1	18/06/2021	<100	<100	<10	<10	<10	<10	<20	<10	<10	<50	<100	<100	<50	<50	<100	<100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<5	NIL (+)VE	<0.2	<0.2	<0.2
	Difference	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	RPD	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Sample ID	Sample Date	gamma-BHC	Heptachlor	delta-BHC	Aldrin	Heptachlor Epoxide	gamma-Chlordane	alpha-Chlordane	Endosulfan I	pp-DDE	Dieldrin	Endrin	Endosulfan II	pp-DDD	Endrin Aldelyde	pp-DDT	Endosulfan Sulphate	Methoxychlor	Dichloros	Dimethoate	Diazinon	Chlorpyrifos-methyl	Romel	Fenitrothion	Malathion	Chlorpyrifos	Parathion	Bromophos ethyl	Ethion	Adiphen-methyl (Guthion)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	
BH2	18/06/2021	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
DUP1	18/06/2021	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	Difference	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	RPD	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		

Sample ID	Sample Date	Total Phenolics (as Phenol)	Arsenic-Total	Calcium-Total	Chromium-Total	Copper-Total	Lead-Total	Mercury-Total	Nickel-Total	Zinc-Total
BH2	18/06/2021	<0.05	250	4.2	290	1700	660	0.26	790	3000
DUP1	18/06/2021	<0.05	250	3.7	280	1500	590	0.42	720	2700
	Difference	0	0	0.5	10	200	70	-0.16	70	300
	RPD	0%	0%	13%	4%	13%	11%	-47%	9%	11%

Table QA3: Trip Blank Results - Soils (mg/kg)

Sample ID	Benzene	Toluene	Ethylbenzene	o-Xylene	m+p-Xylene
TB	<0.2	<0.5	<1	<1	<2

Table QA4: Trip Spike Results – Soils (% Recovery)

Sample ID	Benzene	Toluene	Ethylbenzene	o-Xylene	m+p-Xylene
TS	109	118	119	110	120
TS	97	92	97	98	98